

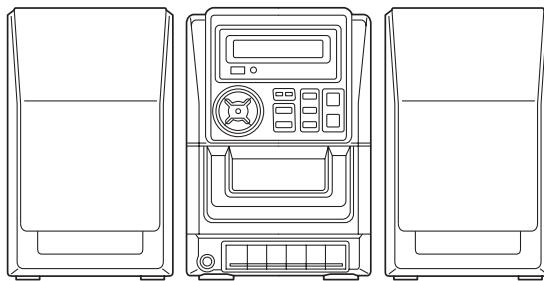


**LCX-137**

HR(S) HA(S)

VJ(S) HT(S)

HS(S) HC(S)



# SERVICE MANUAL

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COMPACT DISC STEREO  
SYSTEM

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BASIC TAPE MECHANISM : TN-21ZSC-2003  
BASIC CD MECHANISM : DA11T3C

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**aiwa**  
S/M Code No. 09-003-340-2N1



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## SPECIFICATIONS

### HA, HC, HR, HT MODELS

MAIN UNIT	
FM tuner section	
Tuning range	87.5 MHz to 108 MHz
Antenna terminals	75 ohms (unbalanced)
AM tuner section	
Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Antenna	Loop antenna
Amplifier section	
Power output	4 W + 4 W (4 ohms, T.H.D. 1%, 1 kHz) 5 W + 5 W (4 ohms, T.H.D. 10%, 1 kHz)
Input	AUX: 500 mV
Outputs	SPEAKERS: accept speakers of 4 ohms or more PHONES (stereo minijack): accepts headphones of 32 ohms or more
Cassette deck section	
Track format	4 tracks, 2 channels stereo
Frequency response	Normal tape: 50 Hz – 10000 Hz
Recording system	AC bias
Erasure system	Magnet erase
Heads	Recording/playback × 1 Erase head × 1
Compact disc player section	
Laser	Semiconductor laser ( $\lambda = 780$ nm)
D-A converter	1 bit linear
Wow and flutter	Unmeasurable
SPEAKER SYSTEM	
Speakers	100 mm cone type 100 mm cone type, 4 ohms
Impedance	4 ohms
Dimensions (W × H × D)	140 × 236.5 × 198 mm (HA MODEL ONLY)
Weight	1.1 kg
GENERAL	
Power requirements	120/220-240V AC, switchable, 50/60 Hz
Power consumption	25 W
Dimensions of main unit (W × H × D)	160 × 236.5 × 202.5 mm
Weight of main unit	2.5 kg

- Design and specifications are subject to change without notice.

### HS MODEL

MAIN UNIT	
FM tuner section	
Tuning range	87.5 MHz to 108 MHz
Antenna terminals	75 ohms (unbalanced)
MW tuner section	
Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Antenna	Loop antenna
LW tuner section	
Tuning range	144 kHz to 290 kHz
Usable sensitivity	1400 $\mu$ V/m
Antenna	Loop antenna
Amplifier section	
Power output	Rated: 4 W + 4 W (4 ohms, T.H.D. 1%, 1 kHz/DIN 45500) Reference: 5 W + 5 W (4 ohms, T.H.D. 10%, 1 kHz/DIN 45324)
Input	AUX: 500 mV
Outputs	SPEAKERS: accept speakers of 4 ohms or more PHONES (stereo minijack): accepts headphones of 32 ohms or more
Cassette deck section	
Track format	4 tracks, 2 channels stereo
Frequency response	Normal tape: 50 Hz – 10000 Hz
Recording system	AC bias
Erasure system	Magnet erase
Heads	Recording/playback × 1 Erase head × 1

### VJ MODEL

MAIN UNIT	
FM tuner section	
Tuning range	FM1 (OIRT): 65.0 MHz to 74.0 MHz FM2 (CCIR): 87.5 MHz to 108 MHz
Antenna terminals	75 ohms (unbalanced)
AM tuner section	
Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Antenna	Loop antenna
Amplifier section	
Power output	Rated: 4 W + 4 W (4 ohms, T.H.D. 1%, 1 kHz/DIN 45500) Reference: 5 W + 5 W (4 ohms, T.H.D. 10%, 1 kHz/DIN 45324)
Input	AUX: 500 mV
Outputs	SPEAKERS: accept speakers of 4 ohms or more PHONES (stereo minijack): accepts headphones of 32 ohms or more

Cassette deck section	
Track format	4 tracks, 2 channels stereo
Frequency response	Normal tape: 50 Hz – 10000 Hz
Recording system	AC bias
Erasure system	Magnet erase
Heads	Recording/playback × 1 Erase head × 1
Compact disc player section	
Laser	Semiconductor laser ( $\lambda = 780$ nm)
D-A converter	1 bit linear
Wow and flutter	Unmeasurable
SPEAKER SYSTEM	
Speakers	100 mm cone type
Impedance	4 ohms
Dimensions (W × H × D)	140 × 236.5 × 198 mm
Weight	1.1 kg
GENERAL	
Power requirements	230V AC, 50 Hz
Power consumption	25 W
Dimensions of main unit (W × H × D)	160 × 236.5 × 202.5 mm
Weight of main unit	2.5 kg

- Design and specifications are subject to change without notice.

### Compact disc player section

Laser	Semiconductor laser ( $\lambda = 780$ nm)
D-A converter	1 bit linear
Wow and flutter	Unmeasurable

### SPEAKER SYSTEM

Speakers	100 mm cone type, 4 ohms
Impedance	4 ohms
Dimensions (W × H × D)	140 × 236.5 × 198 mm
Weight	1.1 kg

### GENERAL

Power requirements	220V AC, 60 Hz
Power consumption	25 W
Dimensions of main unit (W × H × D)	160 × 236.5 × 202.5 mm
Weight of main unit	2.5 kg

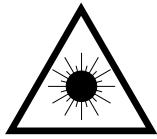
- Design and specifications are subject to change without notice.

## PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

### WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

### VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käytäjän turvallisuusluokan 1 ylitävälle näkymättömälle lasersäteilylle.

### VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

### CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### ATTENTION

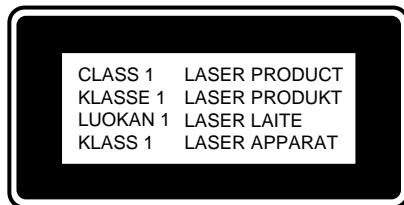
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

### ADVARSEL!

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the rear exterior.

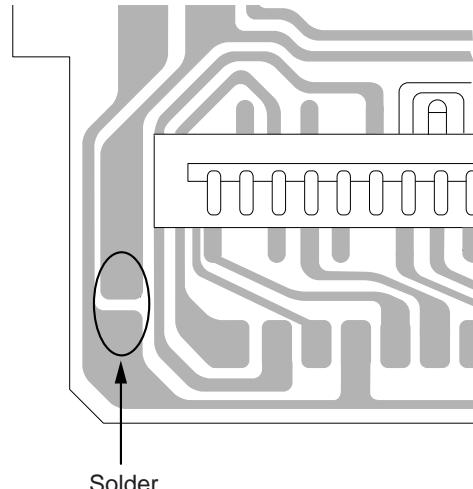


### Precaution to replace Optical block (SF-P101NR)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

- 1) After the connection, remove solder shown in the right figure.

### PICK-UP Assy P.C.B



## ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C118	87-010-263-080	CAP, ELECT 100-10V	
	87-A20-734-010	IC, TDA2007A		C119	87-010-197-080	CAP, CHIP 0.01 DM	
	87-A21-443-040	C-IC, M62495Afp		C120	87-010-401-080	CAP, ELECT 1-50V	
	8A-CLB-602-010	IC, LC867240A-5P15		C121	87-010-386-080	CAP, E 330-25 M SME	
	87-A21-245-010	IC, RPM6938-V4		C122	87-010-213-080	C-CAP, S 0.015-50 B	
	87-A21-145-040	C-IC, BA4560F-E2		C123	87-010-404-080	CAP, ELECT 4.7-50V	
	87-A20-446-010	C-IC, LA9241ML		C124	87-010-402-080	CAP, ELECT 2.2-50V	
	87-A20-459-010	C-IC, LC78622ED		C126	87-010-408-080	CAP, ELECT 47-50V	
	87-A21-093-010	IC, LA6541D		C127	87-010-248-080	CAP, ELECT 220-10V	
	87-070-127-110	IC, LC72131 D		C132	87-010-237-080	CAP, ELECT 1000-16V	
	87-A20-913-010	IC, LA1837NL		C136	87-010-197-080	CAP, CHIP 0.01 DM	
TRANSISTOR				C137	87-010-197-080	CAP, CHIP 0.01 DM	
	87-026-610-080	TR, KTC3198GR		C138	87-010-197-080	CAP, CHIP 0.01 DM	
	89-213-702-010	TR, 2SB1370 (1.8W)		C139	87-010-197-080	CAP, CHIP 0.01 DM	
	87-A30-185-010	TR, 2SD1381FQR		C143	87-010-401-080	CAP, ELECT 1-50V	
	87-026-313-080	TR, DTC343TS		C144	87-010-401-080	CAP, ELECT 1-50V	
	87-026-237-080	CHIP-TR, DTC124XK		C147	87-010-190-080	S CHIP F 0.01	
	87-026-223-080	TR, DTC143TK		C148	87-010-190-080	S CHIP F 0.01	
	89-320-011-080	TR, 2SC2001 (15W)		C149	87-010-190-080	S CHIP F 0.01	
	87-CD7-603-080	TR, SS8050<HSS>		C150	87-010-263-080	CAP, ELECT 100-10V	
	89-318-154-080	TR, 2SC1815 (0.4W)		C151	87-010-263-080	CAP, ELECT 100-10V	
	87-026-291-080	TR, DTC124XS		C152	87-010-182-080	C-CAP, S 2200P-50 B	
	89-112-965-080	TR, 2SA1296 (0.75W)		C153	87-010-166-080	C-CAP, S 100P-50 SL	
	87-A30-227-080	TR, 2SB1010Q		C154	87-010-545-080	CAP, ELECT 0.22-50V	
	87-026-463-080	TR, 2SA933S (0.3W)		C155	87-010-545-080	CAP, ELECT 0.22-50V	
	87-026-239-080	TR, DTC114TK (0.2W)		C157	87-010-404-080	CAP, ELECT 4.7-50V	
	87-026-210-080	CHIP-TR, DTC144EK		C158	87-010-545-080	CAP, ELECT 0.22-50V	
	87-A30-196-080	TR, 2SC4115SR		C159	87-010-545-080	CAP, ELECT 0.22-50V	
	89-327-143-080	TR, 2SC2714 (0.1W)		C161	87-010-404-080	CAP, ELECT 4.7-50V	
	87-A30-072-080	C-TR, RT1P 144C		C162	87-010-405-080	CAP, ELECT 10-50V	
	89-505-434-540	C-FET, 2SK543(4/5)<HSS>		C163	87-010-405-080	CAP, ELECT 10-50V	
	87-A30-257-080	C-TR, 2SD1306E<HSS>		C164	87-010-405-080	CAP, ELECT 10-50V	
	87-A30-074-080	C-TR, RT1P 141C<HSS>		C165	87-010-405-080	CAP, ELECT 10-50V	
				C166	87-010-404-080	CAP, ELECT 4.7-50V	
				C167	87-010-404-080	CAP, ELECT 4.7-50V	
DIODE				C169	87-010-197-080	CAP, CHIP 0.01 DM<HSS>	
	87-020-465-080	DIODE, 1SS133 (110MA)		C170	87-010-197-080	CAP, CHIP 0.01 DM<HSS>	
	87-A40-393-090	DIODE, 1N5402GW(F20)		C171	87-010-404-080	CAP, ELECT 4.7-50V	
	87-070-334-080	ZENER, MTZJ10B		C175	87-010-237-080	CAP, ELECT 1000-16V	
	87-017-932-080	ZENER, MTJ6.2B		C176	87-010-237-080	CAP, ELECT 1000-16V	
	87-A40-347-080	ZENER, MTZJ2.2B		C177	87-010-197-080	CAP, CHIP 0.01 DM	
	87-070-136-080	ZENER, MTZJ5.1B		C178	87-010-197-080	CAP, CHIP 0.01 DM	
	87-020-027-080	CHIP-DIODE 1SS184<HA, VJS, HSS>		C179	87-010-404-080	CAP, ELECT 4.7-50V	
	87-027-825-080	ZENER, HZ9A3L		C180	87-010-197-080	C-CAP, 0.068<EXCEPT HSS>	
	87-017-978-080	DIODE, 1N4003		C181	87-010-197-080	C-CAP, 0.068<EXCEPT HSS>	
	87-A40-291-080	DIODE, 1N4148 (CPT)		C182	87-010-197-080	CAP, ELECT 10-50V	
	87-A40-234-080	ZENER, MTZJ5.6A<HSS>		C184	87-A11-317-080	CAP, ELECT 10-50V	
	87-A40-270-080	C-DIODE, MC2838<HSS>		C185	87-A11-317-080	C-CAP, S 100P-50 CH	
MAIN C.B				C301	87-010-322-080	C-CAP, S 100P-50 CH	
	C101	87-010-190-080	S CHIP F 0.01	C302	87-015-951-080	CAP, E 1-50 LL	
	C102	87-010-190-080	S CHIP F 0.01	C304	87-010-406-080	CAP, ELECT 22-50	
	C103	87-010-190-080	S CHIP F 0.01	C306	87-010-405-080	CAP, ELECT 10-50V	
	C104	87-010-404-080	CAP, ELECT 4.7-50V	C307	87-010-248-080	CAP, ELECT 220-10V	
	C105	87-010-403-080	CAP, ELECT 3.3-50V	C308	87-010-405-080	CAP, ELECT 10-50V	
	C106	87-010-192-080	C-CAP, S 0.022-50 F	C309	87-010-322-080	C-CAP, S 100P-50 CH	
	C107	87-010-192-080	C-CAP, S 0.022-50 F	C311	87-010-406-080	CAP, ELECT 22-50	
	C108	87-010-192-080	C-CAP, S 0.022-50 F	C312	87-015-951-080	CAP, E 1-50 LL	
	C109	87-010-192-080	C-CAP, S 0.022-50 F	C314	87-010-426-080	C-CAP, S 0.012-25 B	
	C110	87-010-190-080	S CHIP F 0.01	C315	87-010-404-080	CAP, ELECT 4.7-50V	
	C111	87-016-658-090	CAP, E 4700-35 SMG	C316	87-010-404-080	CAP, ELECT 4.7-50V	
	C112	87-012-140-080	CAP 470P	C319	87-010-426-080	C-CAP, S 0.012-25 B	
	C113	87-010-190-080	S CHIP F 0.01	C320	87-010-197-080	CAP, CHIP 0.01 DM<HSS>	
	C114	87-010-408-080	CAP, ELECT 47-50V	C322	87-010-112-080	CAP, ELECT 100-16V	
	C115	87-010-112-080	CAP, ELECT 100-16V	C325	87-010-178-080	CHIP CAP 1000P	
	C116	87-010-101-080	CAP, ELECT 220-16	C326	87-010-178-080	CHIP CAP 1000P	
				C327	87-010-178-080	CHIP CAP 1000P	
				C329	87-015-695-080	CAP, E 1-50 7L	
				C330	87-012-140-080	CAP 470P<HSS>	
				C701	87-010-381-080	CAP, ELECT 330-16V	
				C702	87-010-404-080	CAP, ELECT 4.7-50V	
				C703	87-012-286-080	CAP, U 0.01-25	
				C704	87-012-286-080	CAP, U 0.01-25	
				C709	87-012-195-080	C-CAP, U 100P-50CH	
				C711	87-010-263-080	CAP, ELECT 100-10V	

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C712	87-010-196-080	CHIP CAPACITOR,0.1-25		C828	87-010-196-080	CHIP CAPACITOR,0.1-25	
C713	87-012-286-080	CAP, U 0.01-25<HSS>		C829	87-010-196-080	CHIP CAPACITOR,0.1-25	
C714	87-012-286-080	CAP, U 0.01-25		C909	87-012-286-080	CAP, U 0.01-25<HSS>	
C715	87-012-195-080	C-CAP,U 100P-50CH<HSS>		C910	87-012-286-080	CAP, U 0.01-25<HSS>	
C717	87-012-286-080	CAP, U 0.01-25		C940	87-012-286-080	CAP, U 0.01-25<HSS>	
C719	87-012-286-080	CAP, U 0.01-25		C942	87-012-172-080	CAPACITOR CHIP U 10P CH<HSS>	
C720	87-012-195-080	C-CAP,U 100P-50CH		C947	87-012-286-080	CAP, U 0.01-25<HSS>	
C721	87-012-176-080	CAP 15P		C949	87-A10-039-080	C-CAP,U 470P-50 J CH<HSS>	
C722	87-012-176-080	CAP 15P		C952	87-012-286-080	CAP, U 0.01-25<HSS>	
C723	87-012-274-080	CHIP CAP,U 1000P-50B		C958	87-010-197-080	CAP, CHIP 0.01 DM<HSS>	
C725	87-018-131-080	CAP, CER 1000P-50V<EXCEPT HSS>		C959	87-010-831-080	C-CAP,U,0.1-16F	
C727	87-010-196-080	CHIP CAPACITOR,0.1-25		C960	87-010-196-080	CHIP CAPACITOR,0.1-25	
C728	87-010-248-080	CAP, ELECT 220-10V		C961	87-012-170-080	C-CAP,U 8P-50 CH<EXCEPT HSS>	
C729	87-012-274-080	CHIP CAP,U 1000P-50B		C962	87-010-401-080	CAP, ELECT 1-50V<HSS>	
C731	87-012-286-080	CAP, U 0.01-25		C963	87-010-196-080	CHIP CAPACITOR,0.1-25<EXCEPT HSS>	
C752	87-012-284-080	CAP, U 6800P-50<HSS>		CF801	87-008-423-010	CERAMIC FILTER, SFE10.7<HSS>	
C753	87-012-195-080	C-CAP,U 100P-50CH<HSS>		CF801	87-008-261-010	FILTER, SFE10.7MA5-A<EXCEPT HSS>	
C755	87-012-286-080	CAP, U 0.01-25<HSS>		CF802	82-785-747-010	CF MS2 GHY R<HSS>	
C756	87-012-286-080	CAP, U 0.01-25		CF802	87-008-261-010	FILTER, SFE10.7MA5-A<EXCEPT HSS>	
C757	87-012-188-080	C-CAP,U 47P-50 CH		CN301	87-009-036-010	CONNECTOR, 8P PH V WHT	
C758	87-012-167-080	C-CAP,U 5P-50 CH		▲F101	87-035-457-010	FUSE,3.15A 250V TW/C	
C761	87-010-196-080	CHIP CAPACITOR,0.1-25<HSS>		FC1	87-033-213-080	CLAMP, FUSE	
C762	87-012-286-080	CAP, U 0.01-25<HSS>		FC2	87-033-213-080	CLAMP, FUSE	
C763	87-010-829-080	CAP, U 0.047-16		FFE801	A8-6ZA-19C-170	6ZA-1 YFEENC<HSS>	
C764	87-012-337-080	C-CAP,U 56P-50 CH<EXCEPT HSS>		FFE801	A8-6ZA-19F-170	6ZA-1 YFEVNC<VJS>	
C765	87-012-286-080	CAP, U 0.01-25		FFE801	A8-8ZA-193-070	8ZA-1 YFEUNC<HRJ,HA,HTS,HC1>	
C766	87-010-197-080	CAP, CHIP 0.01 DM<HSS>		J101	87-A60-354-010	JACK,PIN 2P MSP -242V-05	
C768	87-012-286-080	CAP, U 0.01-25		J102	87-A60-754-010	TERMINAL,SPK 4P MSP-154V-05	
C769	87-010-260-080	CAP, ELECT 47-25V		J103	87-A60-420-010	JACK,3.5 ST (MSC)	
C770	87-010-829-080	CAP, U 0.047-16		J104	87-099-608-010	JACK, DC HEC3800<HSS>	
C771	87-010-383-080	CAP, ELECT 33-25V		J801	87-A60-202-010	TERMINAL,ANT 4P MSP-154V-02 <EXCEPT HSS>	
C772	87-010-829-080	CAP, U 0.047-16		J801	87-A60-880-010	TERMINAL,ANT-PAL 2P MSP-313V-0 <HSS>	
C773	87-010-196-080	CHIP CAPACITOR,0.1-25		L101	87-005-366-010	COIL, 1UH	
C774	87-010-263-080	CAP, ELECT 100-10V		L102	87-005-366-010	COIL, 1UH	
C775	87-010-404-080	CAP, ELECT 4.7-50V		L104	87-005-676-080	COIL,2.2UH K LF5.0S	
C776	87-012-286-080	CAP, U 0.01-25		L301	88-CL6-609-010	COIL,BIAS 8CL6	
C777	87-010-400-080	CAP, ELECT 0.47-50V		L771	87-A50-266-010	COIL,FM DET-2N(TOK)	
C778	87-010-401-080	CAP, ELECT 1-50V		L772	87-A90-733-010	FLTR,PCFAZH-450 (TOK)	
C779	87-010-401-080	CAP, ELECT 1-50V		L781	87-005-847-080	COIL,2.2UH(CECS)<HSS>	
C780	87-010-196-080	CHIP CAPACITOR,0.1-25		L832	87-005-847-080	COIL,2.2UH(CECS)<HSS>	
C781	87-010-405-080	CAP, ELECT 10-50V		L941	87-A50-020-010	COIL,ANT LW(COI)<HSS>	
C782	87-010-405-080	CAP, ELECT 10-50V		L942	87-A50-019-010	COIL,OSC LW(COI)<HSS>	
C783	87-012-286-080	CAP, U 0.01-25		L981	87-NF4-650-010	COIL,AM PACK 4N(TOK)<EXCEPT HSS>	
C784	87-012-286-080	CAP, U 0.01-25		L981	87-NF4-651-110	COIL,AM PACK2N(TOM)<HSS>	
C785	87-010-401-080	CAP, ELECT 1-50V<EXCEPT HSS>		▲PR100	87-A90-091-080	PROTECTOR,2A 491	
C786	87-010-401-080	CAP, ELECT 1-50V<EXCEPT HSS>		SW301	8Z-CL8-668-010	SW,RP ZCL8	
C786	87-010-405-080	CAP, ELECT 10-50V<HSS>		TC942	87-011-164-010	CAPACITOR,TRIMMER 30P<HSS>	
C787	87-012-287-080	C-CAP,U 0.015-25 F<HSS>		WH101	87-099-043-010	CONN 2P EH	
C788	87-012-287-080	C-CAP,U 0.015-25 F<HSS>		X721	87-A70-061-010	VIB,XTAL 4.500MHZ CSA-309	
C789	87-012-275-080	C-CAP,U 1200P-50 B		FRONT C.B			
C789	87-012-275-080	C-CAP,U 1200P-50 B		C201	87-010-375-080	CAP,E 330-10 SME	
C790	87-012-275-080	C-CAP,U 1200P-50 B		C202	87-012-350-080	C-CAP,1-25 F	
C791	87-010-405-080	CAP, ELECT 10-50V		C203	87-010-197-080	CAP, CHIP 0.01 DM	
C793	87-012-275-080	C-CAP,U 1200P-50 B<EXCEPT HSS>		C205	87-010-178-080	CHIP CAP 1000P	
C793	87-012-273-080	C-CAP,U 820P-50 B<EXCEPT HSS>		C208	87-010-197-080	CAP, CHIP 0.01 DM	
C794	87-010-406-080	CAP, ELECT 22-50		C209	87-010-196-080	CHIP CAPACITOR,0.1-25	
C795	87-010-596-080	CAP, S 0.047-16		C210	87-010-196-080	CHIP CAPACITOR,0.1-25	
C796	87-010-403-080	CAP, ELECT 3.3-50V		C211	87-010-314-080	C-CAP,S 22P-50V	
C797	87-012-276-080	CAP, CHIP SS 1500 PBK		C212	87-010-318-080	C-CAP,S 47P-50 CH	
C798	87-012-276-080	CAP, CHIP SS 1500 PBK		C213	87-010-154-080	CAP CHIP 10P	
C799	87-010-829-080	CAP, U 0.047-16		C214	87-012-149-080	C-CAP,S 30P-50 CH	
C803	87-018-047-080	CAP, CER 0.01-16V<HSS>		C215	87-010-312-080	C-CAP,S 15P-50 CH	
C812	87-012-286-080	CAP, U 0.01-25		C216	87-010-400-080	CAP, ELECT 0.47-50V	
C814	87-012-286-080	CAP, U 0.01-25<HSS>		C217	87-010-196-080	CHIP CAPACITOR,0.1-25	
C820	87-010-260-080	CAP, ELECT 47-25V		CN201	87-099-720-010	CONN,30P TYK-B(P)	
C821	87-012-286-080	CAP, U 0.01-25		CN202	87-A60-404-010	CONN,3P TKX-P03P-F1	
C822	87-012-286-080	CAP, U 0.01-25					
C823	87-012-286-080	CAP, U 0.01-25					
C824	87-012-172-080	CAPACITOR CHIP U 10P CH<HSS>					

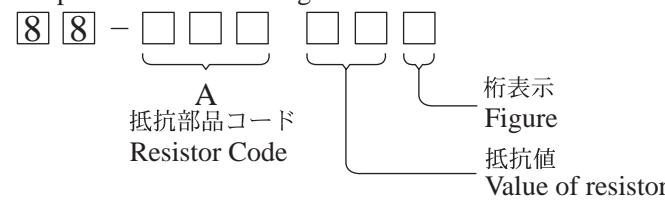
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
L206	87-003-098-080	COIL, 2.2UH		C571	87-010-248-080	CAP, ELECT 220-10V	
LCD201	82-CL8-665-110	LCD, ZCL-8		C572	87-010-196-080	CHIP CAPACITOR, 0.1-25	
S200	87-A90-095-080	SW, TACT EVQ11G04M		C573	87-010-197-080	CAP, CHIP 0.01 DM	
S201	87-A90-095-080	SW, TACT EVQ11G04M		C578	87-010-197-080	CAP, CHIP 0.01 DM	
S202	87-A90-095-080	SW, TACT EVQ11G04M		C579	87-010-263-080	CAP, ELECT 100-10V	
S203	87-A90-095-080	SW, TACT EVQ11G04M		C582	87-010-197-080	CAP, CHIP 0.01 DM	
S205	87-A90-095-080	SW, TACT EVQ11G04M		C583	87-010-405-080	CAP, ELECT 10-50V	
S207	87-A90-095-080	SW, TACT EVQ11G04M		C587	87-010-166-080	C-CAP,S 100P-50 SL	
S208	87-A90-095-080	SW, TACT EVQ11G04M		C589	87-010-166-080	C-CAP,S 100P-50 SL	
S213	87-A90-095-080	SW, TACT EVQ11G04M		C590	87-010-166-080	C-CAP,S 100P-50 SL	
S214	87-A90-095-080	SW, TACT EVQ11G04M		C591	87-010-166-080	C-CAP,S 100P-50 SL	
S216	87-A90-095-080	SW, TACT EVQ11G04M		C592	87-010-166-080	C-CAP,S 100P-50 SL	
S217	87-A90-095-080	SW, TACT EVQ11G04M		C593	87-010-197-080	CAP, CHIP 0.01 DM	
S218	87-A90-095-080	SW, TACT EVQ11G04M		C594	87-010-263-080	CAP, ELECT 100-10V	
S220	87-A90-095-080	SW, TACT EVQ11G04M		C596	87-010-404-080	CAP, ELECT 4.7-50V	
X201	87-030-364-010	VIB, XTAL 32.768K CT		C597	87-010-197-080	CAP, CHIP 0.01 DM	
X202	87-A70-185-080	VIB, CER 5.76MHZ TF21		C598	87-010-197-080	CAP, CHIP 0.01 DM	
CD C.B				C601	87-010-197-080	CAP, CHIP 0.01 DM	
C500	87-016-459-040	CAP, E 470-10 SMG		CN501	87-009-345-010	CONN, 2P PH H	
C502	87-016-459-040	CAP, E 470-10 SMG		CN510	87-009-034-010	CONN, 6P PH V	
C503	87-016-459-040	CAP, E 470-10 SMG		CN520	87-A60-248-010	CONN, 16P H CFF1416	
C505	87-010-196-080	CHIP CAPACITOR, 0.1-25		L501	87-005-647-080	COIL, 10UH K LF5S	
C507	87-010-196-080	CHIP CAPACITOR, 0.1-25		L502	87-005-659-080	COIL, 100UH K LF5.0S	
C510	87-010-197-080	CAP, CHIP 0.01 DM		R503	87-029-019-010	RES, FUSEABLE 1/2W-2.2	
C513	87-010-196-080	CHIP CAPACITOR, 0.1-25		SFR501	87-A90-787-080	SFR, 100K H HOKU	
C514	87-010-196-080	CHIP CAPACITOR, 0.1-25		X501	87-A70-046-010	VIB, XTAL 16.934MHZ	
C515	87-012-157-080	C-CAP,S 330P-50 CH		D941	87-A40-365-080	LED, L-1154 SGD	
C516	87-010-545-080	CAP, ELECT 0.22-50V		D942	87-A40-365-080	LED, L-1154 SGD	
C525	87-010-176-080	C-CAP,S 680P-50 SL		D943	87-A40-365-080	LED, L-1154 SGD	
C528	87-012-156-080	C-CAP,S 220P-50 CH		D944	87-A40-365-080	LED, L-1154 SGD	
C529	87-010-545-080	CAP, ELECT 0.22-50V		D945	87-A40-365-080	LED, L-1154 SGD	
C530	87-012-140-080	CAP 470P		D946	87-A40-365-080	LED, L-1154 SGD	
C531	87-010-374-080	CAP, ELECT 47-10V		D947	87-A40-365-080	LED, L-1154 SGD	
C532	87-010-401-080	CAP, ELECT 1-50V		D948	87-A40-365-080	LED, L-1154 SGD	
C533	87-010-184-080	CHIP CAPACITOR 3300P(K)		D949	87-A40-365-080	LED, L-1154 SGD	
C534	87-010-197-080	CAP, CHIP 0.01 DM		AC C.B			
C535	87-010-145-080	C-CAP,S 1P-50 CH		C181	87-010-197-080	CAP, CHIP 0.01 DM	
C536	87-010-312-080	C-CAP,S 15P-50 CH		C182	87-010-197-080	CAP, CHIP 0.01 DM	
C537	87-010-309-080	C-CAP, 1000P-50 CH		CNA101	8A-CLA-630-010	CONN ASSY, 2P PT	
C538	87-010-196-080	CHIP CAPACITOR, 0.1-25		▲ SW1	87-A90-178-010	SW SL1-1-2<HRJ, HA, HTS, HC1>	
C539	87-010-404-080	CAP, ELECT 4.7-50V		▲ T1	87-A60-317-010	TERMINAL, 1P MSC	
C540	87-010-196-080	CHIP CAPACITOR, 0.1-25		▲ T2	87-A60-317-010	TERMINAL, 1P MSC	
C541	87-010-405-080	CAP, ELECT 10-50V		MOTOR C.B			
C542	87-010-369-080	C-CAP,S 0.033-25 K B		M2	9X-262-576-910	MOTOR GEAR ASSY	
C543	87-010-405-080	CAP, ELECT 10-50V		PIN3	91-564-722-110	CONNECTOR 6P	
C545	87-010-197-080	CAP, CHIP 0.01 DM		SW1	91-572-085-120	LEAF SW	
C546	87-010-374-080	CAP, ELECT 47-10V		C553	87-010-374-080	CAP, ELECT 47-10V	
C547	87-010-263-080	CAP, ELECT 100-10V		C555	87-010-403-080	CAP, ELECT 3.3-50V	
C548	87-010-248-080	CAP, ELECT 220-10V		C556	87-010-197-080	CAP, CHIP 0.01 DM	
C549	87-010-198-080	CAP, CHIP 0.022		C557	87-010-197-080	CAP, CHIP 0.01 DM	
C550	87-010-248-080	CAP, ELECT 220-10V		C558	87-010-197-080	CAP, CHIP 0.01 DM	
C551	87-010-178-080	CHIP CAP 1000P		C559	87-010-315-080	C-CAP,S 27P-50 CH	
C552	87-010-197-080	CAP, CHIP 0.01 DM		C560	87-010-263-080	CAP, ELECT 100-10V	
C553	87-010-374-080	CAP, ELECT 47-10V		C561	87-010-196-080	CHIP CAPACITOR, 0.1-25	
C555	87-010-403-080	CAP, ELECT 3.3-50V		C562	87-010-196-080	CHIP CAPACITOR, 0.1-25	
C556	87-010-197-080	CAP, CHIP 0.01 DM		C563	87-012-156-080	C-CAP,S 220P-50 CH	
C557	87-010-197-080	CAP, CHIP 0.01 DM		C564	87-010-197-080	CAP, CHIP 0.01 DM	
C558	87-010-197-080	CAP, CHIP 0.01 DM		C565	87-010-263-080	CAP, ELECT 100-10V	
C559	87-010-315-080	C-CAP,S 27P-50 CH		C566	87-010-196-080	CHIP CAPACITOR, 0.1-25	
C560	87-010-263-080	CAP, ELECT 100-10V		C567	87-010-197-080	CAP, CHIP 0.01 DM	
C561	87-010-196-080	CHIP CAPACITOR, 0.1-25		C568	87-010-197-080	CAP, CHIP 0.01 DM	
C562	87-010-196-080	CHIP CAPACITOR, 0.1-25		C570	87-010-197-080	CAP, CHIP 0.01 DM	
C563	87-012-156-080	C-CAP,S 220P-50 CH					
C564	87-010-197-080	CAP, CHIP 0.01 DM					
C565	87-010-263-080	CAP, ELECT 100-10V					
C566	87-010-196-080	CHIP CAPACITOR, 0.1-25					
C567	87-010-197-080	CAP, CHIP 0.01 DM					
C568	87-010-197-080	CAP, CHIP 0.01 DM					
C569	87-010-197-080	CAP, CHIP 0.01 DM					

- Regarding connectors, they are not stocked as they are not the initial order items.  
The connectors are available after they are supplied from connector manufacturers upon the order is received.

#### ○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

Chip Resistor Part Coding

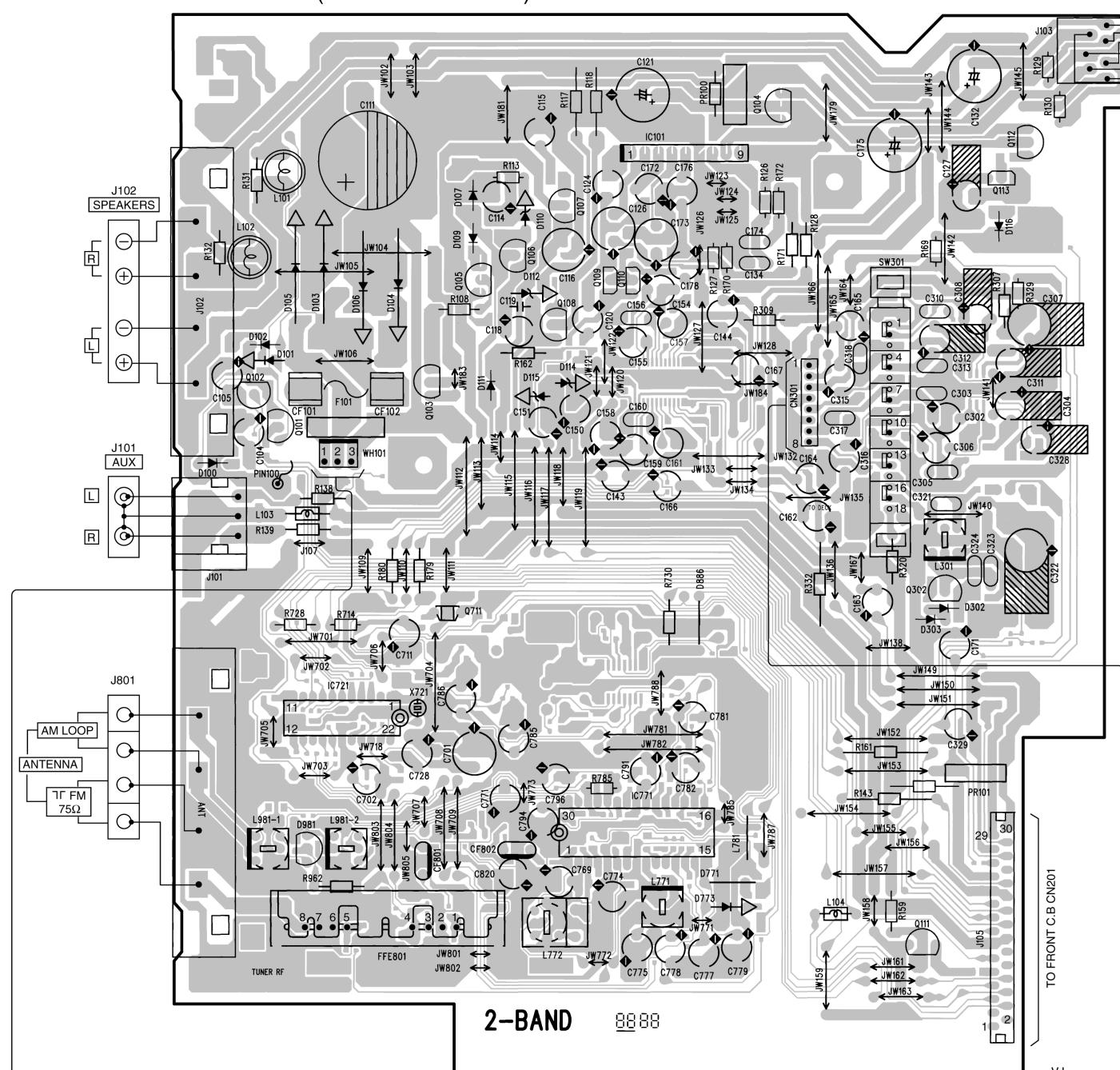


#### チップ抵抗 Chip resistor

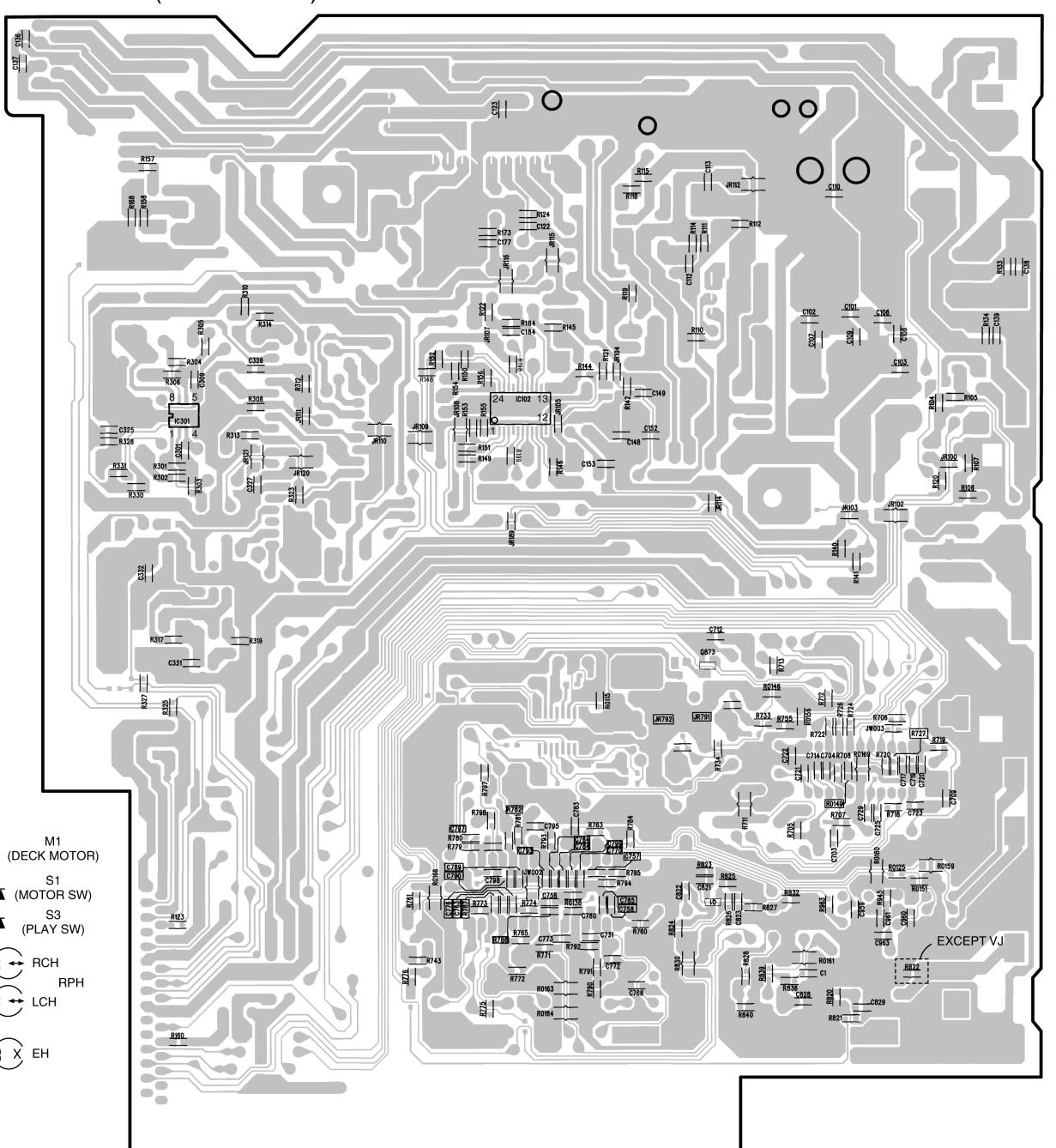
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法/Dimensions (mm)			抵抗コード Resistor Code : A
				外形/Form	L	W	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35
1/16W	1608						

1 2 3 4 5 6 7 8 9 10 11 12 13 14

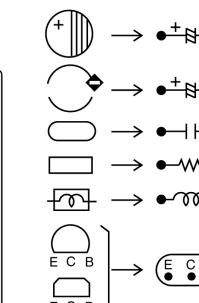
**MAIN C.B (INSERTED PARTS)**



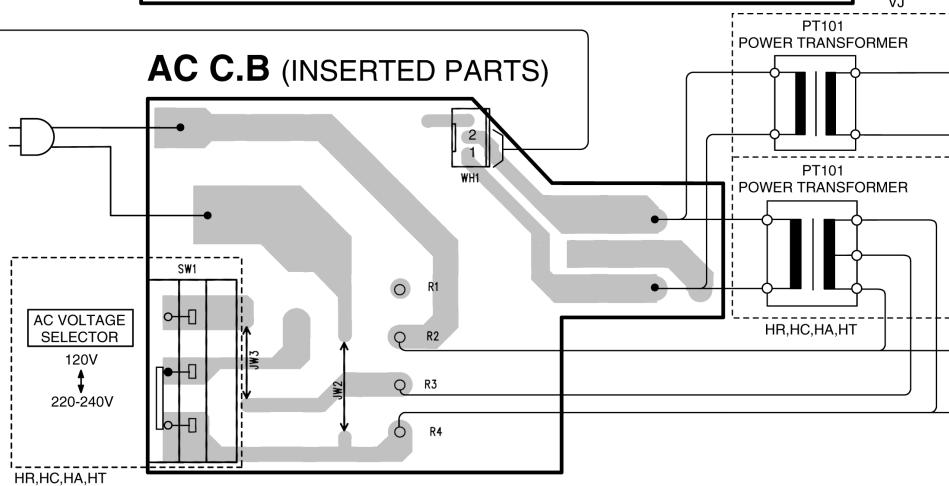
**MAIN C.B (CHIP PARTS)**



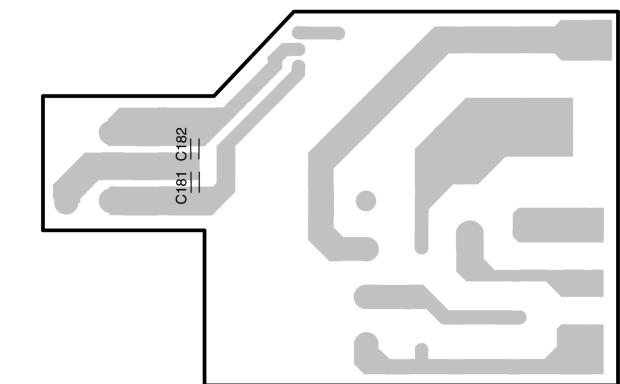
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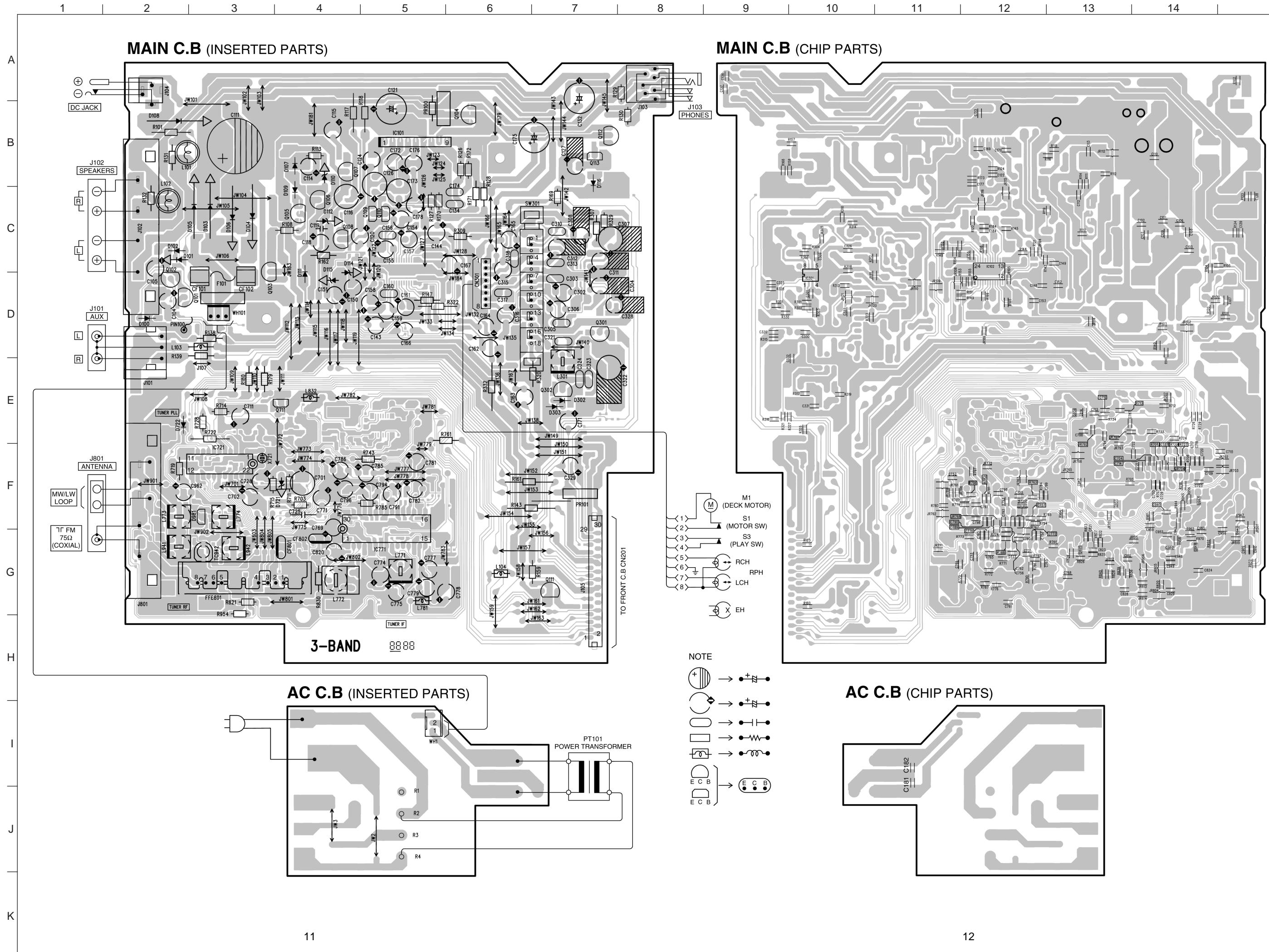
**AC C.B (INSERTED PARTS)**



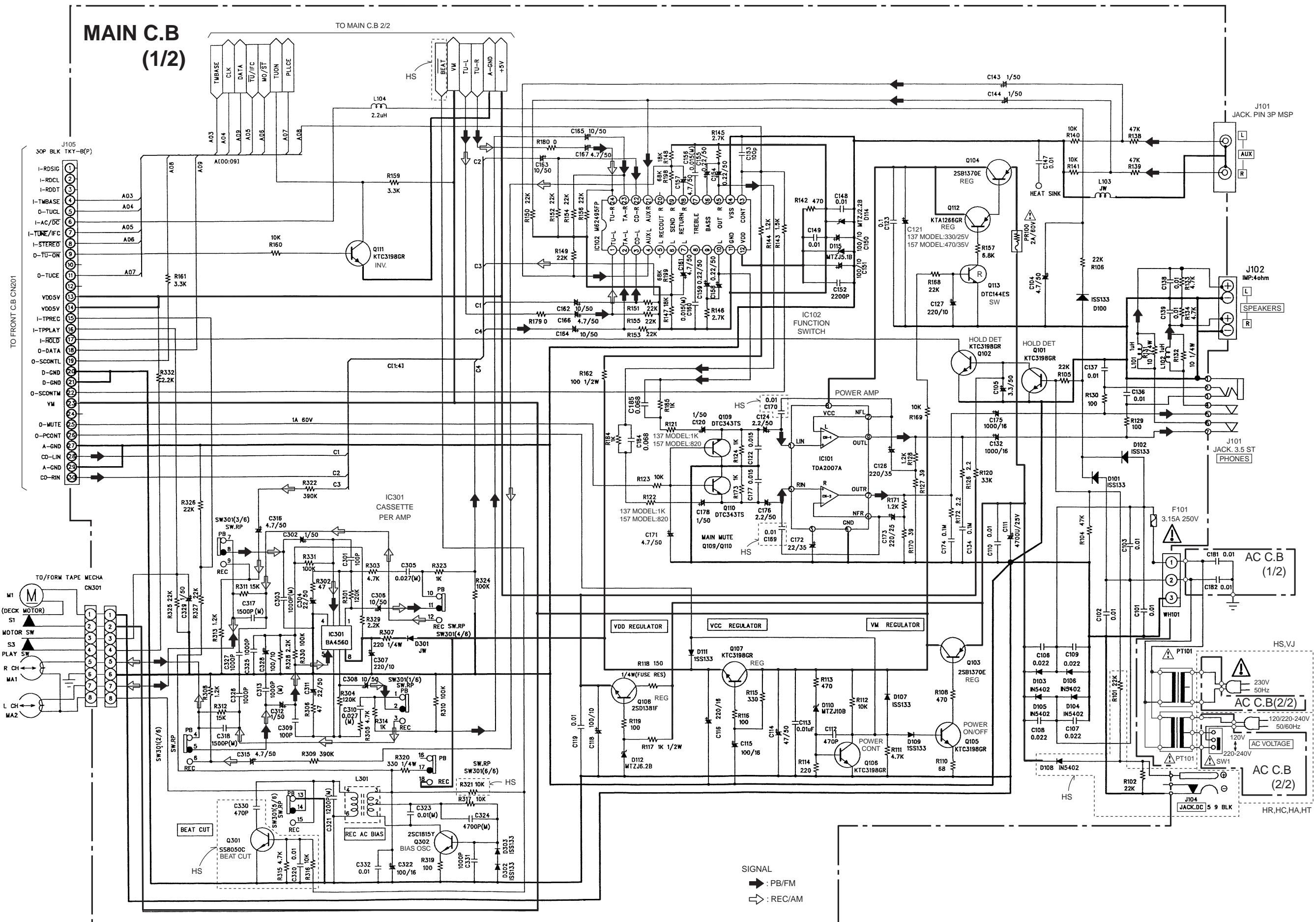
**AC C.B (CHIP PARTS)**



## WIRING-2 (MAIN: HS)

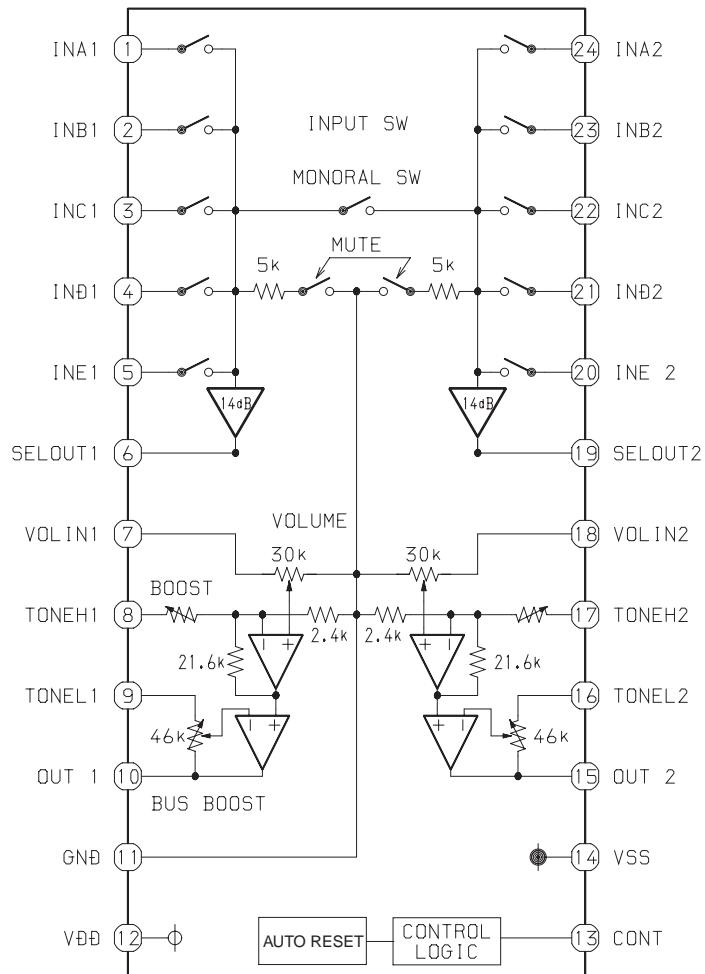


SCHEMATIC DIAGRAM-1 (MAIN 1/2)

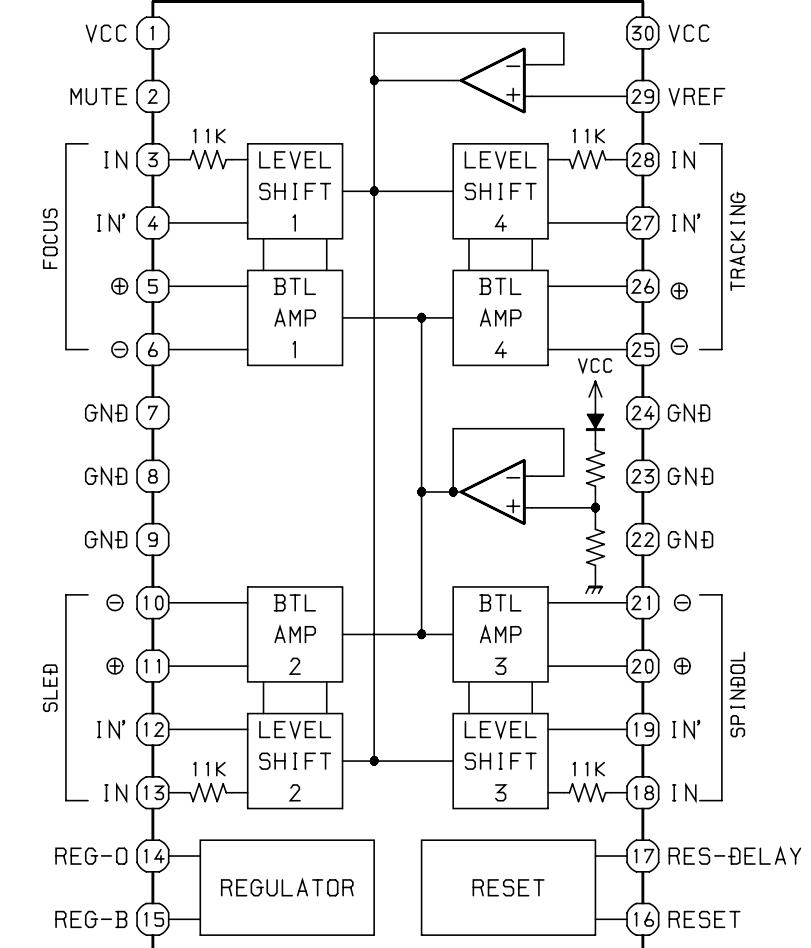


IC BLOCK DIAGRAM

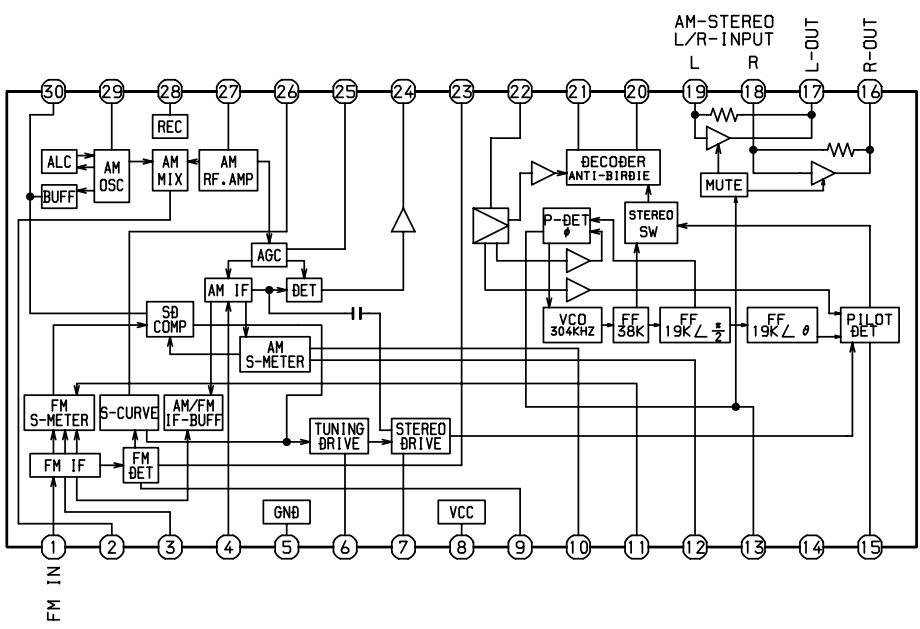
IC, M62495Afp



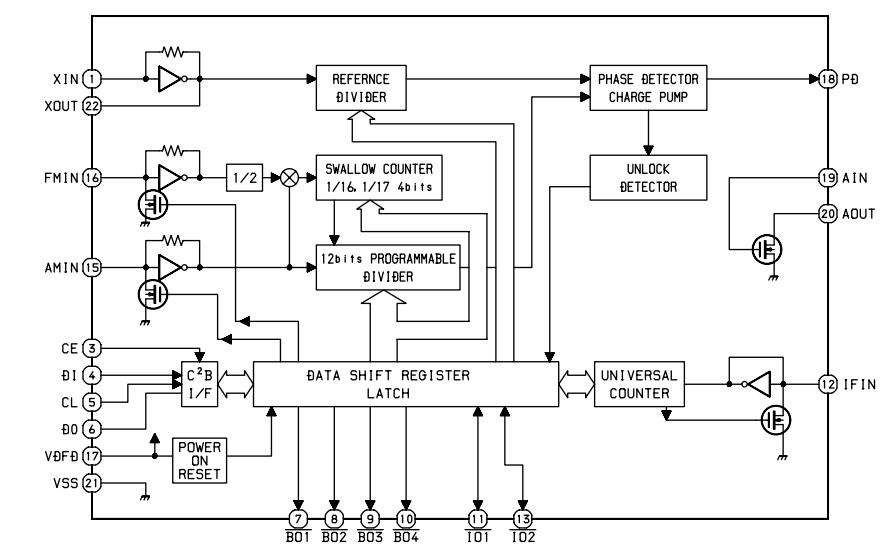
IC, LA6541D



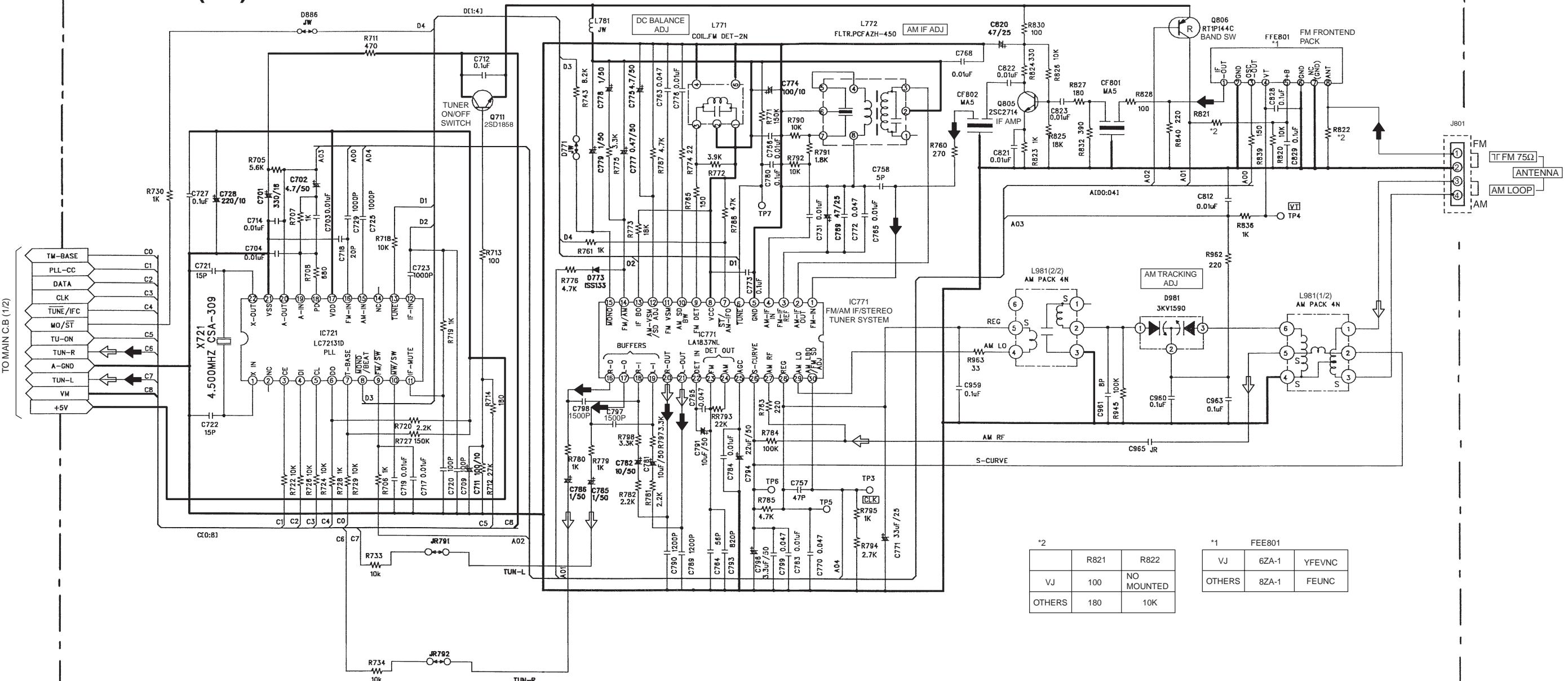
IC, LA1837NL



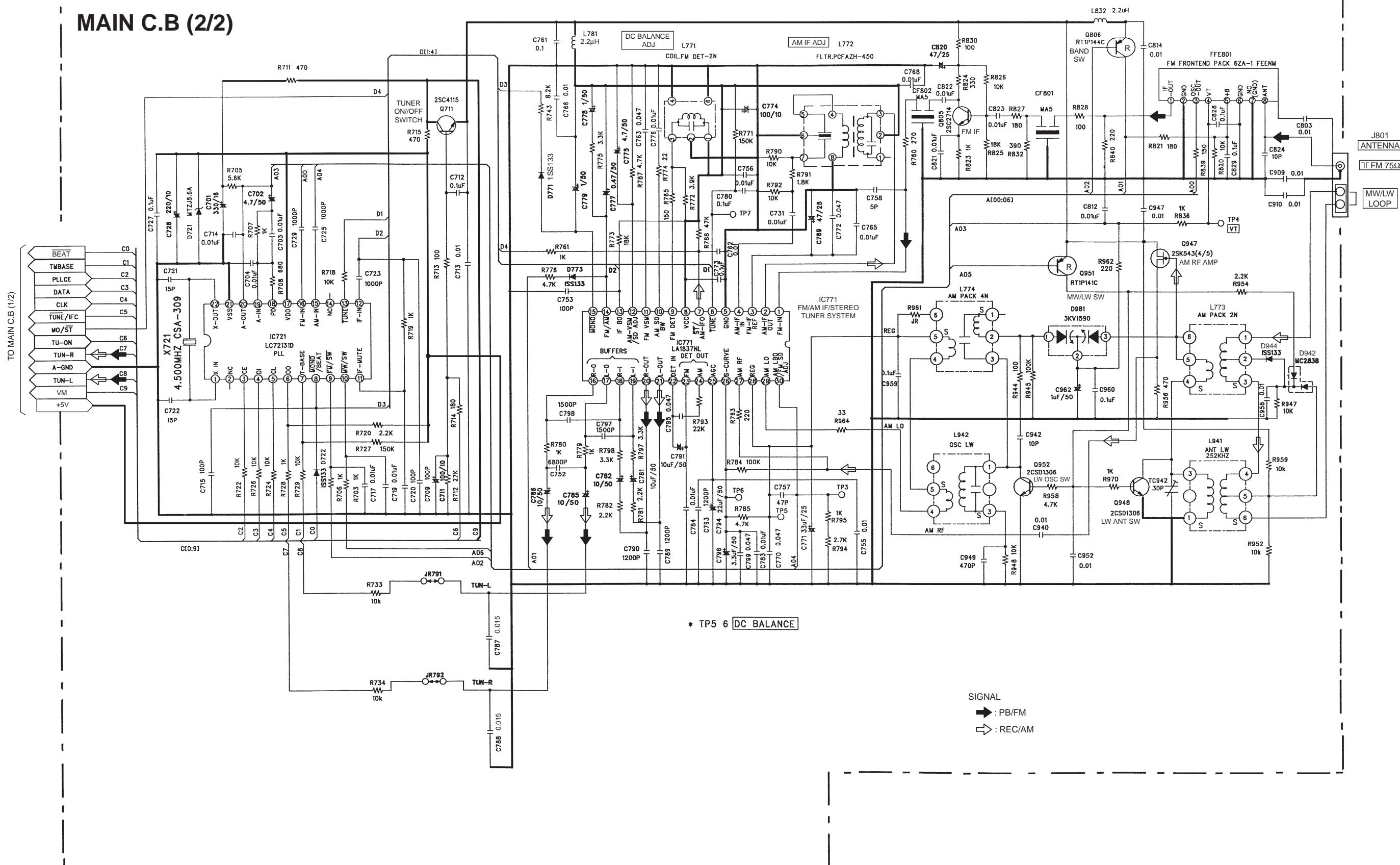
IC, LC72131D



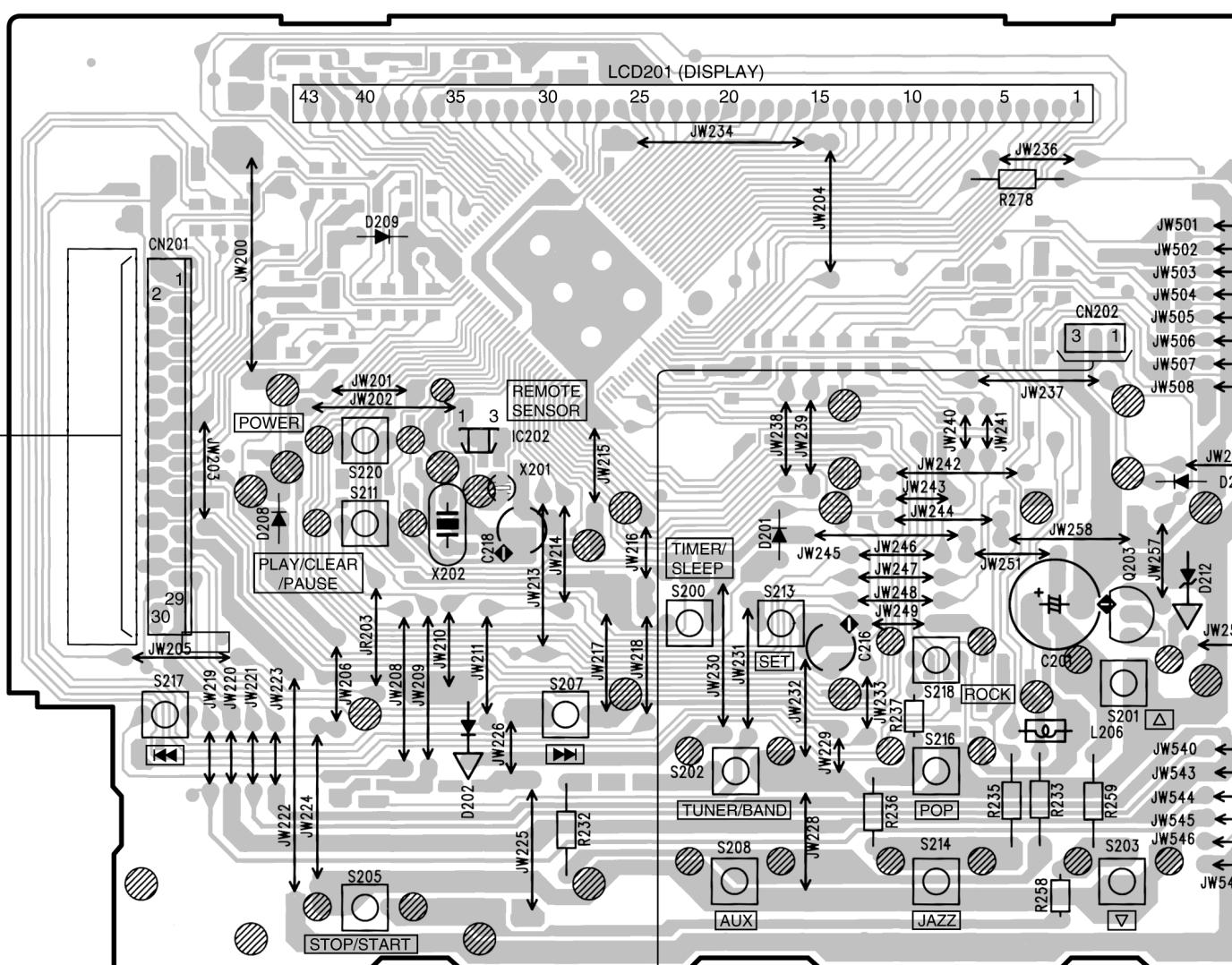
## MAIN C.B (2/2)



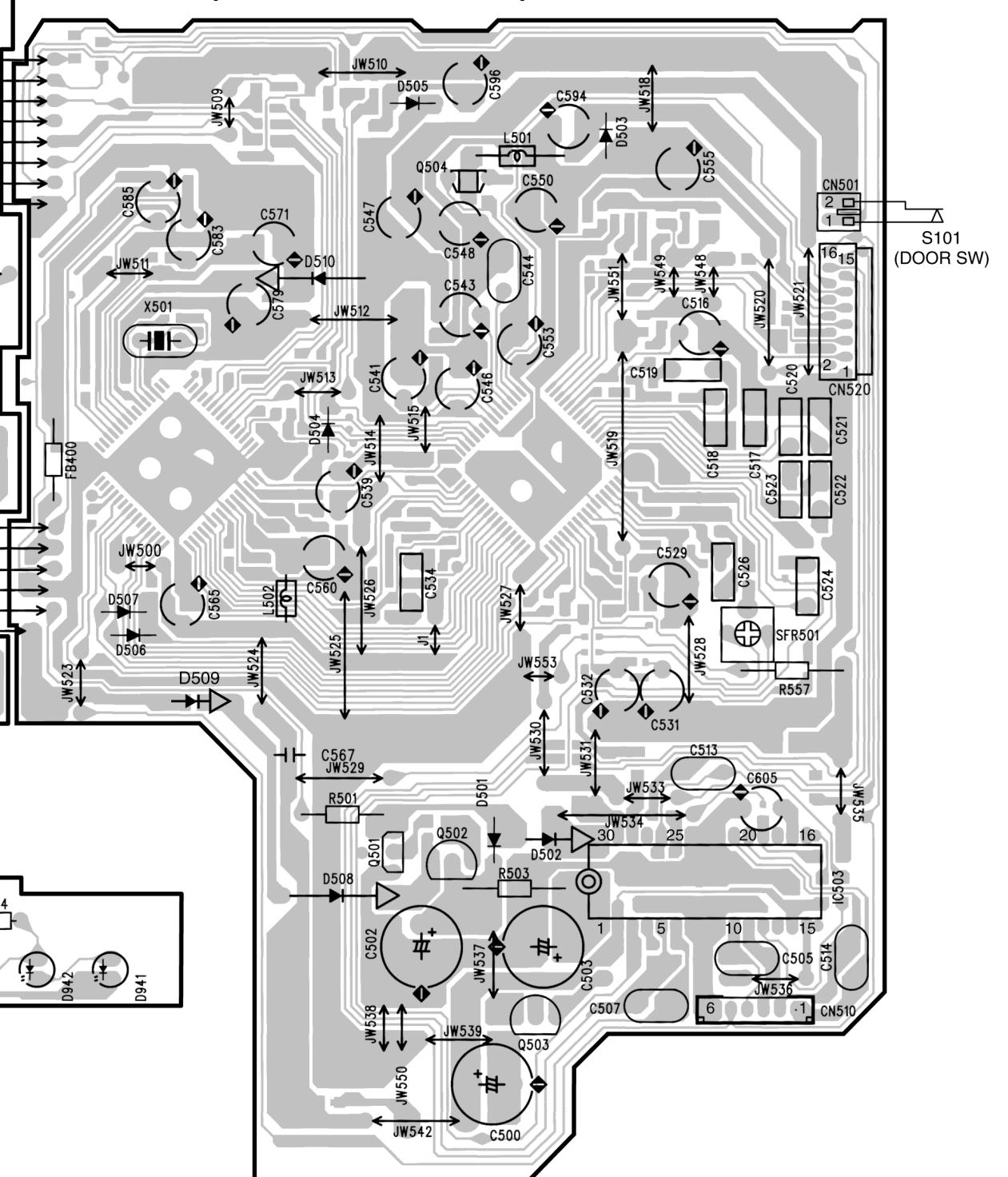
## MAIN C.B (2/2)



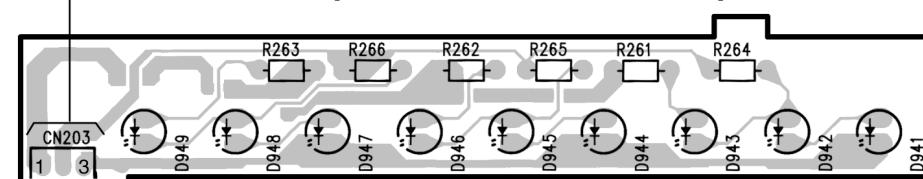
## FRONT C.B (INSERTED PARTS)



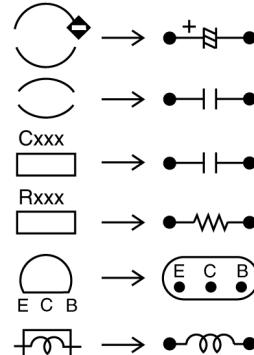
## CD C.B (INSERTED PARTS)

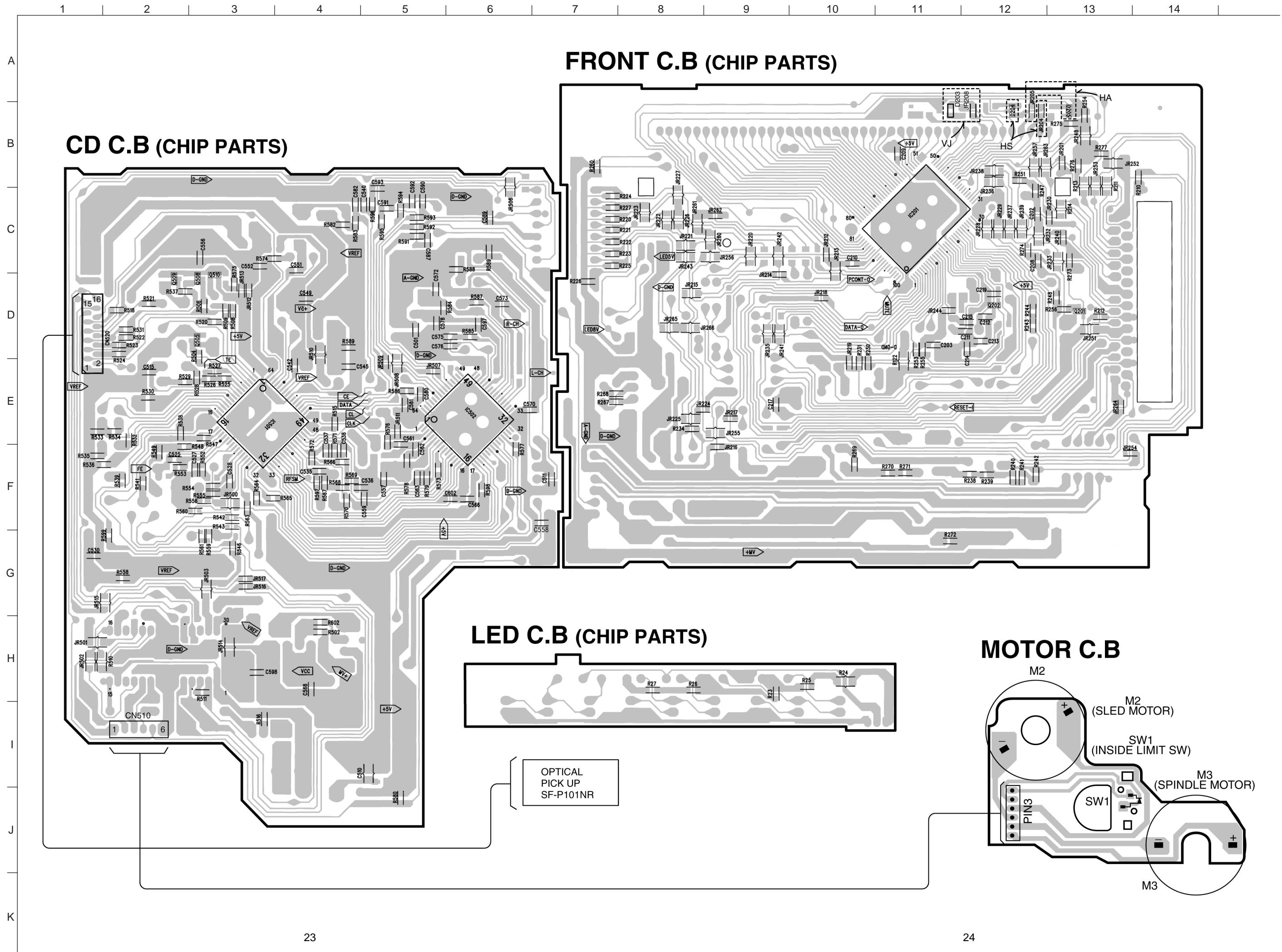


## LED C.B (INSERTED PARTS)

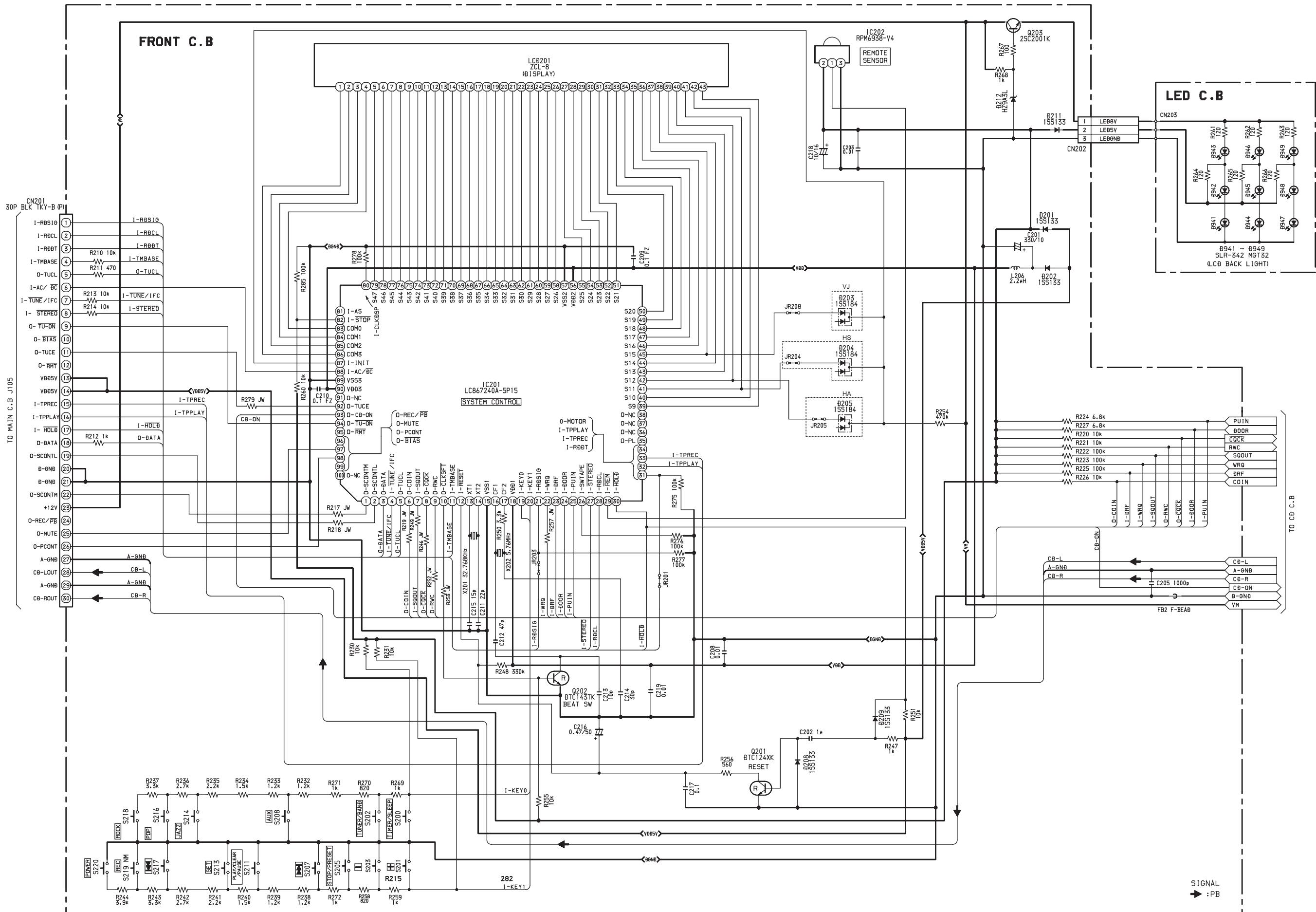


## NOTE

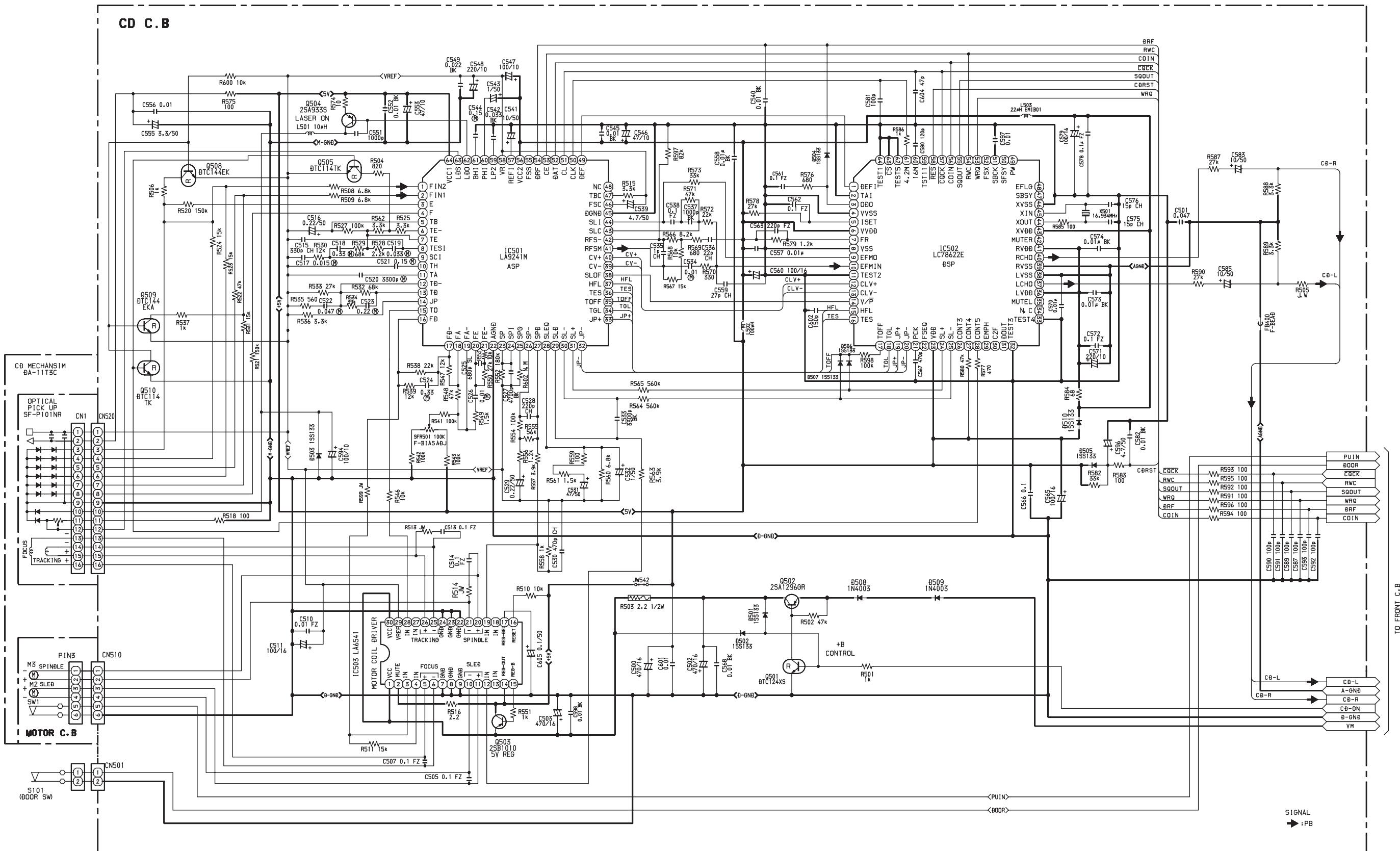




#### SCHEMATIC DIAGRAM-4 (FRONT)



## SCHEMATIC DIAGRAM-5 (CD)



## VOLTAGE CHART

### IC101 TDA2007A (V)

PIN	1	2	3	4	5	6	7	8	9
TU	1.4	0.7	10	0.7	1.4	GND	8.7	18.2	8.8
CD	1.4	0.7	10	0.7	1.4	GND	8.7	18.2	8.8

### IC102 M62495AFP (V)

PIN	1	2	3	4	5	6	7	8	9	10	11	12
TU	2.39	2.39	2.39	2.39	NC	2.39	2.4	2.39	2.4	2.4	2.4	5.3
TAPE	2.38	2.38	2.38	2.38	NC	2.38	2.4	2.38	2.4	2.4	2.38	5.33
CD	2.35	2.35	2.35	2.35	NC	2.35	2.4	2.35	2.4	2.4	2.35	5.29
PIN	13	14	15	16	17	18	19	20	21	22	23	24
TU	2.5	GND	2.42	2.4	2.39	2.39	2.4	NC	2.4	2.4	2.39	2.39
TAPE	2.49	GND	2.4	2.4	2.4	2.4	2.4	NC	2.4	2.4	2.4	2.38
CD	2.49	GND	2.4	2.4	2.4	2.4	2.4	NC	2.4	2.4	2.4	2.4

### IC301 BA4560 (V)

PIN	1	2	3	4	5	6	7	8
TAPE	4.17	4.17	4.16	GND	4.16	4.17	4.2	8.69
REC	4.21	4.21	4.2	GND	4.2	4.21	4.2	8.68

### IC721 LC72131D PLL (V)

PIN	1	2	3	4	5	6	7	8	9	10	11
FM	2.7	0	2.47	0.96	0.96	5.5	2	0	0.8	0	0
MW	2.7	0	0	0	0	5.5	2	0	9.1	0	0
LW	2.7	0	0	0	0	5.5	2	0	9.3	9.4	0
PIN	12	13	14	15	16	17	18	19	20	21	22
FM	0	9.09	NC	7.78	2.1	0	0	0	0	0	2.72
MW	0	9.1	NC	2.7	0	5.4	0.9	0.9	4.4	0	2.72
LW	0	9.3	NC	2.7	0	5.4	0.9	0.9	1.3	0	2.72

### IC771 LA1837NL (V)

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FM	3.57	9.09	3.56	3.56	GND	0	0	9.09	9.1	1.3	2.5	0	0.48	8	8.04
MW	3.55	9.31	3.54	3.54	GND	9.17	5.5	9.31	9.3	1.3	0	0	0.48	4.97	5.59
LW	3.55	9.43	3.55	3.54	GND	9.29	5.5	9.43	9.4	1.3	0	0.29	0.49	5.05	5.68
PIN	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
FM	4.29	4.29	4.29	4.29	3.39	3.39	2.9	3.54	0	0	3.6	3.6	3.61	3.61	2.18
MW	4.27	4.27	4.27	4.27	3.36	3.36	2.8	2.7	0.7	0.7	3.55	3.54	3.6	3.6	1.8
LW	4.28	4.28	4.28	4.28	3.37	3.37	2.8	2.58	1	0.8	3.55	3.54	3.6	3.6	1.8

### FM FFE801 (V)

PIN	1	2	3	4	5	6	7	8
FM	0	GN	0	VT	7.11	GN	GN	0
MW	0	GN	0	VT	0	GN	GN	0

### IC501 LA9241M CD (V)

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
dynamics	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.55
stafics	2.49	2.49	2.52	2.52	2.49	2.51	2.5	2.51	2.5	2.5	2.51	2.51	2.51	2.51	2.5
PIN	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
dynamics	2.5	2.5	2.5	2.5	2.57	2.5	GN	2.51	2.5	2.5	2.5	2.61	2.5	2.63	2.37
stafics	2.5	2.5	0	2.49	2.5	2.51	GN	0	0	2.5	2.52	2.5	2.51	2.5	2.3
PIN	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
dynamics	2.3	0	0	4.99	0	1.15	0	0	0	0	2.2	2.4	2.62	2.53	GN
stafics	2.3	0	0	4.94	4.82	0	0	4.92	0	0	1.6	2.4	2.58	2.5	GN
PIN	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
dynamics	2.5	2.5	NC	0	2.4	4.68	4.8	0	4.9	NC	5.01	2.53	2.54	2.3	2.4
stafics	2.51	2.51	NC	0	0	0	4.8	0	0	NC	0	2.51	2.51	0.95	0.96

### IC502 LC78622E CD (V)

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
dynamics	0	0	1.54	0	1.98	4.94	0.3	0	2.7	2.6	0	0	0	0	0
stafics	0	0	0	0	1.99	4.93	0	0	2.5	2.6	0	0			

IC201 LC867240A-5P15 CPU (V)

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TU	0	0	0	0	0	0.8	0	0	0	1.9	4.67	1.83	2.62	0	
TAPE	0	0	0	0	0	0	0	0	2	1.9	4.66	1.61	2.65	0	
CD	0	0	0	0	0	4.75	0	4.65	0	2	1.9	4.63	1.6	2.59	0
PIN	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
TU	2.18	2.33	4.82	4.91	4.91	2.4	0.8	0.96	4.9	0	4.91	0	0.61	4.91	5.34
TAPE	2.27	2.34	4.81	4.91	4.91	0	0.8	0.96	4.9	0.5	1.76	0	0	4.9	5.32
CD	2.21	2.31	4.79	4.88	4.88	0	0.2	0.91	4.9	1.9	2.44	0	0	4.87	5.29
PIN	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
TU	0.45	0	0	NC	NC	NC	NC	NC	2.4	2.4	2.4	2.49	2.4	2.48	2.48
TAPE	0	0	0	NC	NC	NC	NC	NC	2.5	2.4	2.42	2.46	2.42	2.44	2.43
CD	0	0	0	NC	NC	NC	NC	NC	2.3	2.3	2.3	2.3	2.3	2.3	2.3
PIN	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
TU	2.4	2.5	2.5	2.49	2.48	2.5	2.5	2.5	2.5	2.4	4.83	0	2.4	2.4	2.4
TAPE	2.4	2.4	2.4	2.4	2.4	1.7	1.9	2.5	2.4	4.79	0	2.4	2.4	2.4	2.4
CD	2.3	2.3	2.3	2.3	2.35	2.45	2.3	2.33	2.3	2.3	4.78	0	2.3	2.3	2.3
PIN	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
TU	2.5	2.5	2.5	2.47	2.41	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.4	2.48	2.48
TAPE	2.45	2.4	2.4	2.4	2.4	2.4	2.5	2.42	2.4	2.4	2.4	2.4	2.4	2.46	2.46
CD	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.3	2.35	2.36	2.3	2.3
PIN	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
TU	2.5	2.5	2.5	2.5	0	NC	4.9	2.48	2.5	2.5	2.5	2.94	5.29	0	4.83
TAPE	2.4	2.4	2.4	2.4	0	NC	0	2.4	2.4	2.4	2.4	3.54	5.29	0	4.81
CD	2.38	2.38	2.38	2.36	0	NC	4.8	2.4	2.4	2.4	2.4	2.05	5.26	0	4.79
PIN	91	92	93	94	95	96	97	98	99	100					
TU	NC	0	0	0	NC	NC	0	0.98	NC	NC					
TAPE	NC	0	0	4.75	NC	NC	0	0.99	NC	NC					
CD	NC	0	4.74	4.72	NC	NC	0	1.12	NC	NC					

Q101	KTC3198GR			Q102	KTC3198GR			Q103	2SB1370			Q105	C3198GR		
PIN	B	E	C	PIN	B	E	C	PIN	B	E	C	PIN	B	E	C
dynamics	0.6	0	0.05	dynamics	0.05	0	5.2	dynamics	12	19	18	dynamics	0.66	0.07	17.6
stafics (v)	0.6	0	0.05	stafics (v)	0.05	0	5.2	stafics (v)	12	19	18	stafics (v)	0.7	0.07	17.5

Q106	KTC3198GR			Q107	KTC3198GR			Q108	2SD1381F			Q104	2SB1370E		
PIN	B	E	C	PIN	B	E	C	PIN	B	E	C	PIN	B	E	C
dynamics	0.68	GN	0.96	TAPE	11.8	11	12	TU(V)	6.2	5.6	13.8	dynamics	18	18.7	18
stafics (v)	0.68	GN	0.96	CD(V)	11.8	11	12	CD(V)	6.2	5.6	13.8	stafics (v)	18	18.7	18

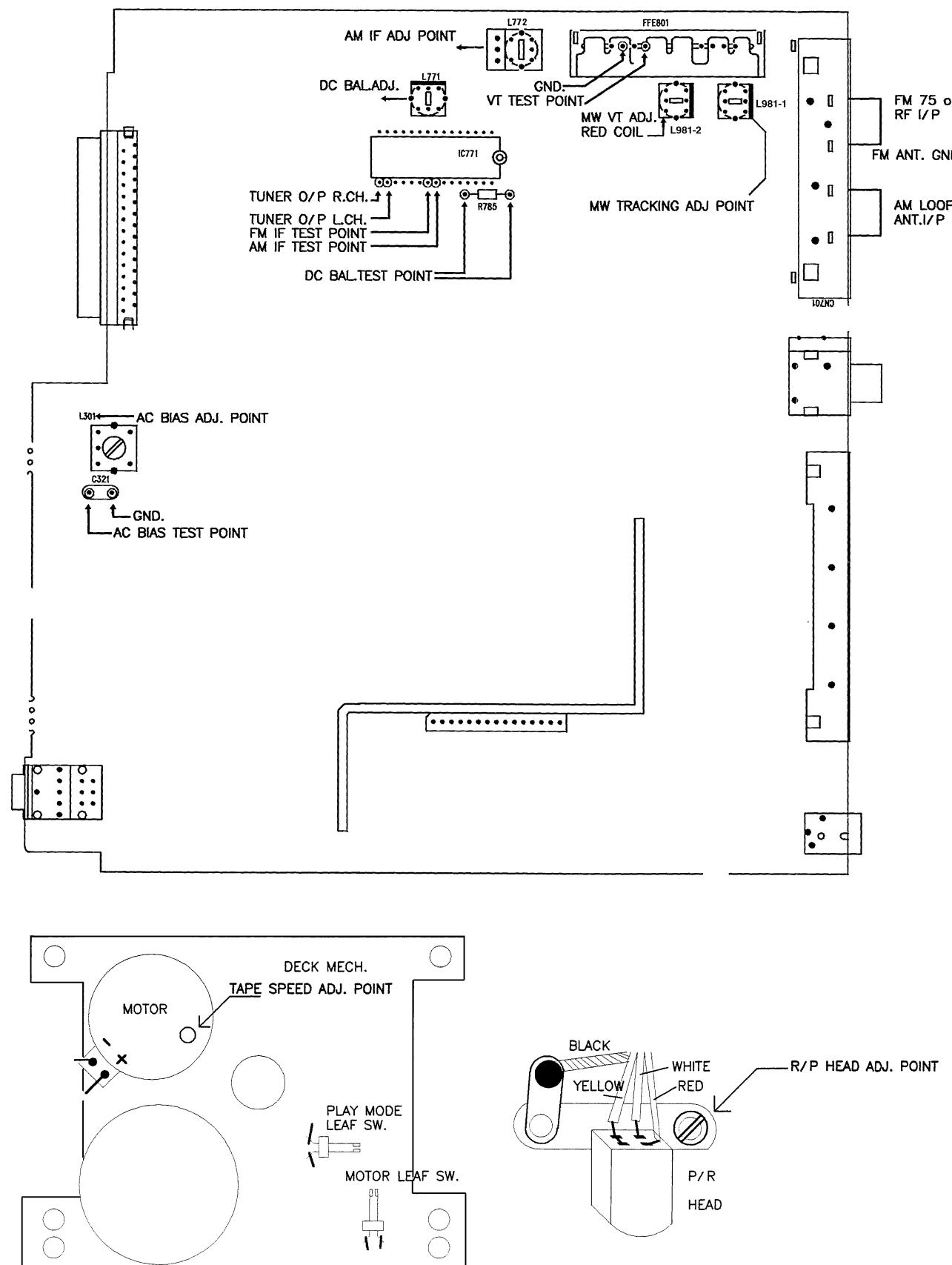
Q112	KTA1266GR			Q113	DTC144ES			Q109	DTC343TS			Q110	DTC343TS		
PIN	B	E	C	PIN	B	E	C	PIN	B	E	C	PIN	B	E	C
dynamics	17.4	18	18	dynamics	8.2	GN	1.6	dynamics	0	0	0	dynamics	0	0	0
stafics (v)	17.4	18	18	stafics (v)	8.2	GN	1.2	stafics (v)	1.4	0	0	stafics (v)	1.35	0	0

Q111	KTC3198GR			Q301	2S8050C			Q302	2SC1815Y			Q201	DTC124XK		
PIN	B	E	C	PIN	B	E	C	PIN	B	E	C	PIN	B	E	C
TU(V)	0.02	GN	0.09	PB(V)	0	GN	OS	PB(V)	0.4	GN	0.4	CD(V)	0	0	4.6
CD(V)	0.7	GN	0.09	REC(V)	1.56	GN	OS	REC(V)	1.9	GN	6.7	TU(V)	0	0	4.6

Q202	DTC143TK			Q203	2SC2001K			Q711	C4115						
PIN	B	E	C	PIN	C	B	E	PIN	B	E	C				
CD(V)	1.98	0	0	CD(V)	11.9	7.8	8.4	CD(V)	0	0	11.9				
TU(V)	1.98	0	0	TU(V)	11.9	7.8	8.4	TU(V)	9						

# ELECTRICAL ADJUSTMENT-1 (EXCEPT HS)

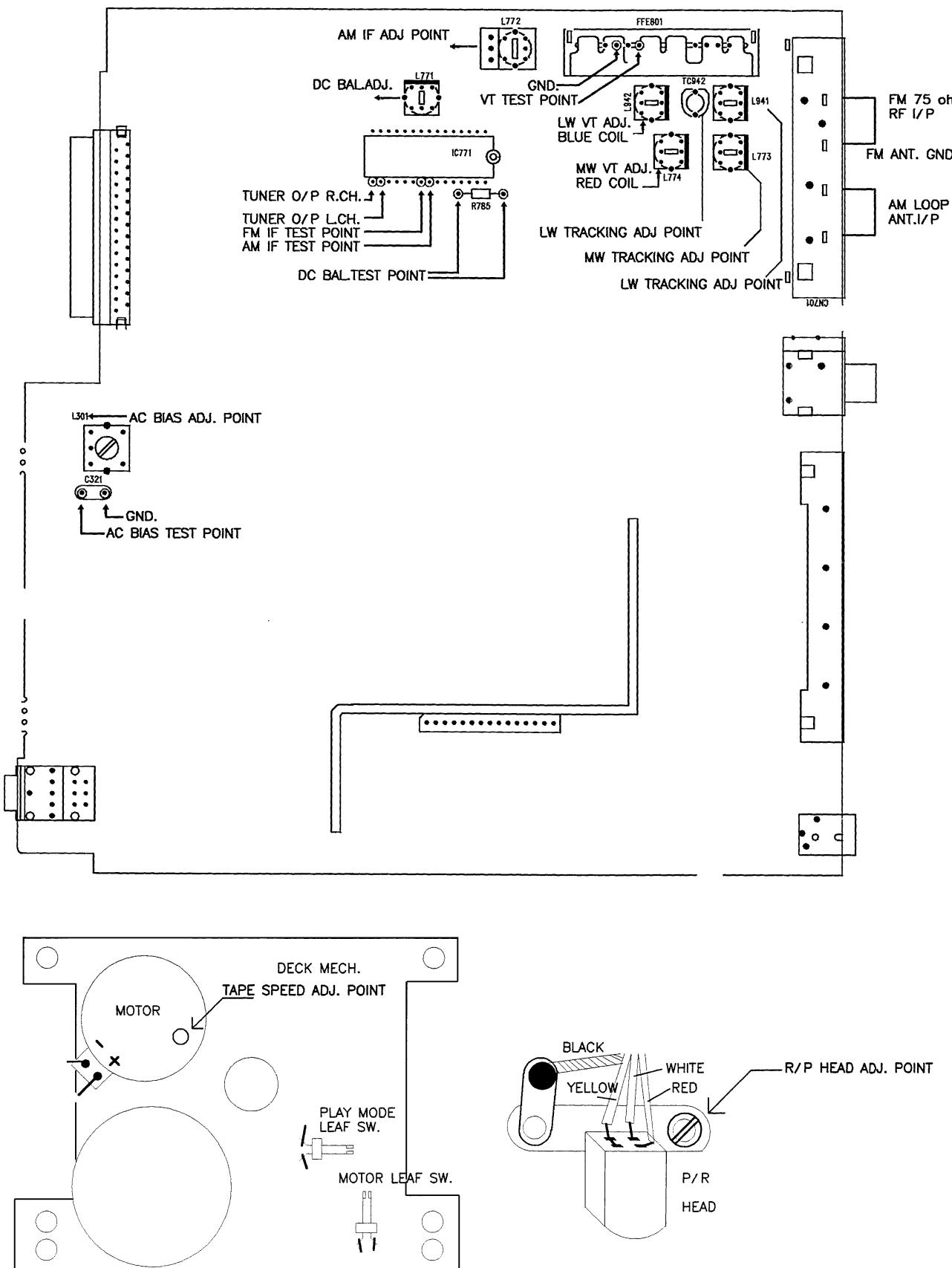
## EXCEPT HS MODEL



ADJUSTMENT ITEM	ADJ. POINT	TEST POINT	SET FREQ.	SETTING
<b>MW VT ADJ.</b>	L981-2	FFE801 4PIN TO GND.	1602KHz	6.8V +/- 0.1V
<b>MW VT CHECK</b>	-	FFE801 4PIN TO GND.	531KHz	<= 2.0V
<b>MW TRACKING ADJ.</b>	L981-1	TUNER O/P L/R	603KHz	MAX. Output Sine Wave (Min. Dist.)
<b>FM VT ADJ.</b>	-	FFE801 4PIN TO GND.	108 MHz	<= 8V
<b>FM VT CHECK</b>	-	FFE801 4PIN TO GND.	87.5MHz	<= 2.5V
<b>DC BAL. ADJ.</b>	L772	Both Terminal OF R785	98 MHz	0 mv (+/- 20 mv)
<b>FM IF CHECK</b>	-	IC 771 PIN 22	10.7 MHz	-
<b>AM IF ADJ.</b>	L773	IC 771 PIN 24	450 KHz	-
<b>REC. BAIAS FREQ. ONLY CHECK</b>	-	C321,330 Common/GND	-	72KHz +/- 8KHz (With R/P HEAD)
<b>REC.BIAS LEVEL ADJ.</b>	L301	C321,330 Common/GND	-	10 V +/- 0.5V (With R/P HEAD)
<b>BEAT CUT ST / ON MONO/OFF</b>	TEST ONLY	C330,321 Common/GND	FM 96MHz Deck REC.	4 KHz +/- 1 KHz
<b>TAPE SPEED</b>	MOTOR	SPEAKER OUTPUT	-	3000Hz +/- 2%
<b>DECK R/P HEAD ADJ.</b>	R/P HEAD	SPEAKER OUTPUT	8 KHz TEST TAPE	-

## ELECTRICAL ADJUSTMENT-2 (HS)

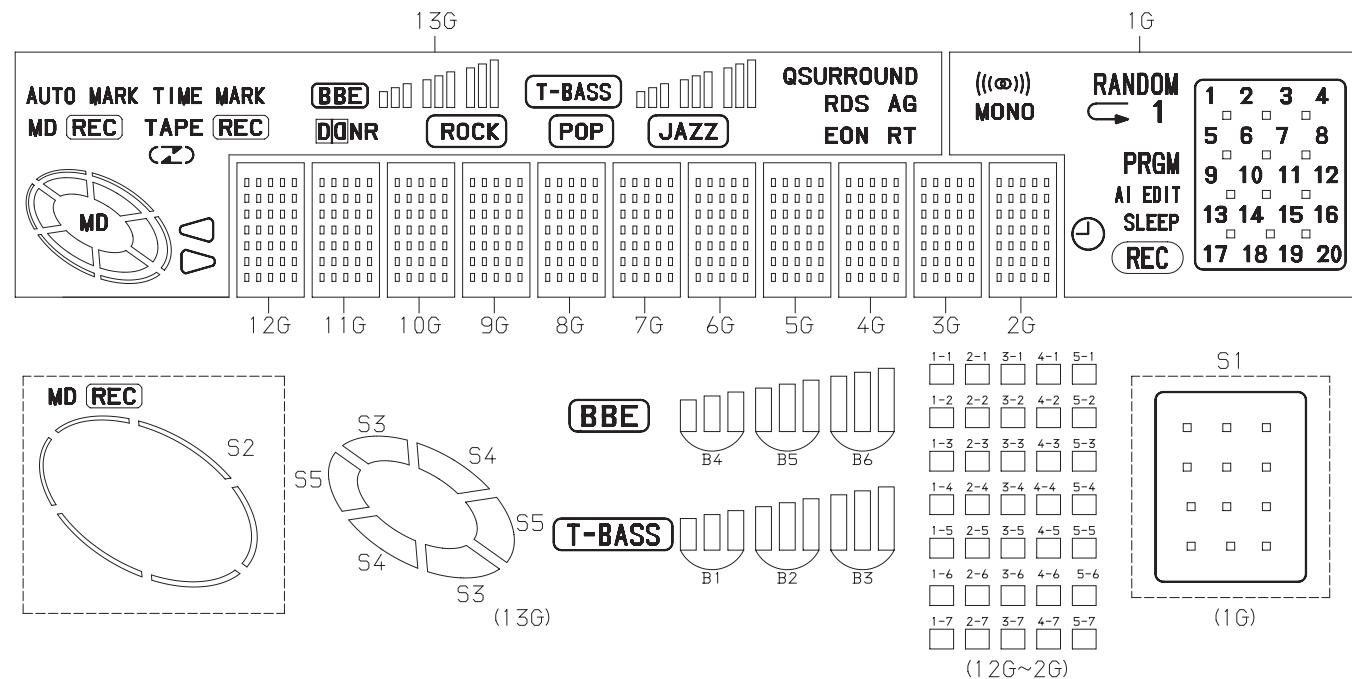
## HS MODEL



ADJUSTMENT ITEM	ADJ. POINT	TEST POINT	SET FREQ.	SETTING
MW VT ADJ.	L774	FFE801 4PIN TO GND.	1602KHz	6.8V+/-0.1V
MW VT CHECK	-	FFE801 4PIN TO GND.	531KHz	<= 2.0V
MW TRACKING ADJ.	L773	TUNER O/P L/R	603KHz	MAX.Output Sine Wave(Min.Dist.)
LW VT ADJ.	L942	FFE801 4PIN TO GND.	290KHz	6.1V+/-0.1V
LW VT CHECK	TEST ONLY	FFE801 4PIN TO GND.	144KHz	<= 2.5V
LW TRACKING ADJ.	TC942	TUNER O/P L/R	290KHz	MAX.Output Sine Wave(Min.Dist.)
	L941	TUNER O/P L/R	144KHz	
FM VT ADJ.	-	FFE801 4PIN TO GND.	108 MHz	<= 8V
FM VT CHECK	-	FFE801 4PIN TO GND.	87.5MHz	<= 2.5V
DC BAL. ADJ.	L771	Both Terminal OF R785	98 MHz	0 mv (+/- 20 mv)
FM IF CHECK	-	IC 771 PIN 22	10.7 MHz	-
AM IF ADJ.	L772	IC 771 PIN 24	450 KHz	-
REC. BIAS FREQ. ADJ.	-	C321,330 Common/GND	-	80KHz +/-3KHz (With R/P HEAD)
REC. BIAS LEVEL ONLY CHECK	L301	C321,330 Common/GND	-	10 V~18 V (With R/P HEAD)
BEAT CUT ST / ON MONO/OFF	TEST ONLY	C330,321 Common/GND	FM 98MHz Deck REC.	4 KHz +/- 1 KHz
TAPE SPEED	MOTOR	SPEAKER OUTPUT	-	3000Hz +3/-2%
DECK R/P HEAD ADJ.	R/P HEAD	SPEAKER OUTPUT	8 KHz TEST TAPE	-

# FL (13-ST-36GNAK) GRID ASSIGNMENT/ANODE CONNECTION

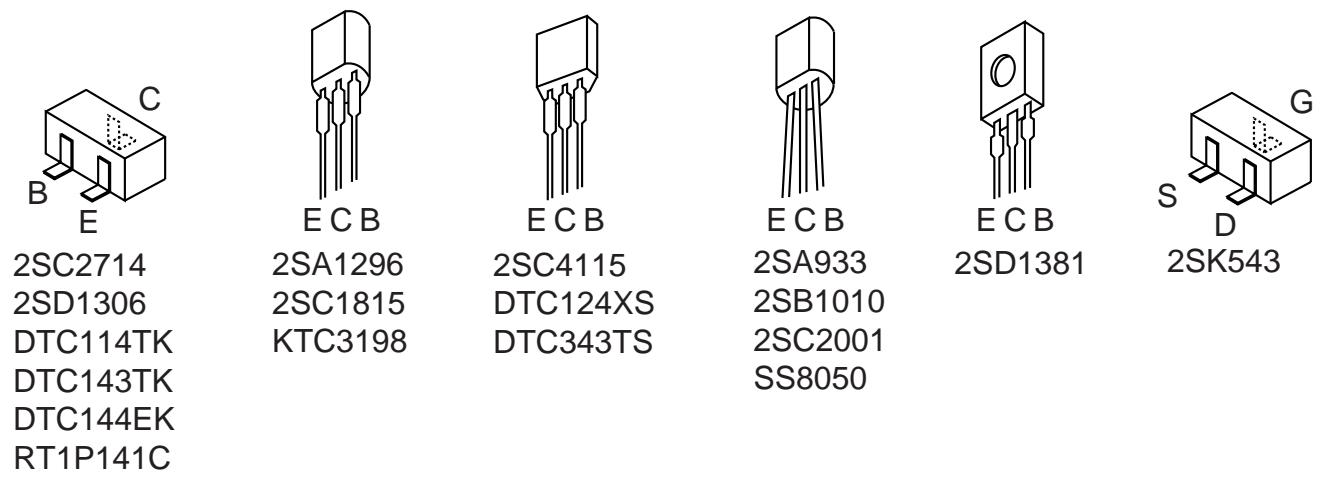
## GRID ASSIGNMENT



## ANODE CONNECTION

	13G	12G~2G	1G		13G	12G~2G	1G
P1	JAZZ	1-1	<b>1</b>	P19	♪	4-4	<b>8</b>
P2	POP	2-1	↔	P20	♫	5-4	<b>9</b>
P3	ROCK	3-1	<b>MONO</b>	P21	⌚	1-5	<b>10</b>
P4	DO NR	4-1	<b>RANDOM</b>	P22	TAPE REC	2-5	<b>11</b>
P5	RT	5-1	(∞)	P23	S2	3-5	<b>12</b>
P6	EON	1-2	<b>PRGM</b>	P24	S3	4-5	<b>13</b>
P7	AG	2-2	<b>AI</b>	P25	S4	5-5	<b>14</b>
P8	RDS	3-2	<b>EDIT</b>	P26	S5	1-6	<b>15</b>
P9	B1	4-2	<b>SLEEP</b>	P27	MD	2-6	<b>16</b>
P10	B2	5-2	⌚	P28	TIME MARK	3-6	<b>17</b>
P11	B3	1-3	<b>REC</b>	P29	AUTO MARK	4-6	<b>18</b>
P12	T-BASS	2-3	(CALENDAR)	P30	QSURROUND	5-6	<b>19</b>
P13	B4	3-3	<b>2</b>	P31	-	1-7	<b>20</b>
P14	B5	4-3	<b>3</b>	P32	-	2-7	S1
P15	B6	5-3	<b>4</b>	P33	-	3-7	-
P16	BBE	1-4	<b>5</b>	P34	-	4-7	-
P17	↔	2-4	<b>6</b>	P35	-	5-7	-
P18	↔	3-4	<b>7</b>				

## TRANSISTOR ILLUSTRATION



**IC DESCRIPTION**  
**IC, LC867240A-5P15**

Pin No.	Pin Name	I/O	Description
1	O-SCONTM	O	M62439SP control. open drain output.
2	O-SCONTL	O	
3	O-DATA	O	Tuner control. CMOS output.
4	I-TUNE/IFC	I	Tuner control.
5	O-TUCL	O	Tuner control. CMOS output.
6	O-COIN	O	CD control. open drain output.
7	I-SQOUT	I	CD control.
8	O-CQCK	O	CD control. open drain output.
9	O-RWC	O	
10	O-CLKSFT	O	Clock shift output. "L" during shift. open drain output.
11	I-TMBASE	I	8 Hz time base input.
12	I-RESET	I	Reset input.
13	XT1	I	Input pin.
14	XT2	O	Output pin for 32.768kHz crystal oscillation.
15	VSS1	—	GND.
16, 17	CF1, CF2	I/O	Main clock input/output 5.76 MHz.
18	VDD1	—	+5V.
19	I-KEY0	I	KEY0 A/D input.
20	I-KEY1	I	KEY1 A/D input.
21	I-RDSIG	I	RDS signal level input. (A/D input)
22	I-WRQ	I	CD control.
23	I-DRF	I	
24	I-DOOR	I	CD door SW detection SW input. "L" at CLOSE.
25	I-PUIN	I	CD pick-up detection SW input. "L" at ON.
26	I-SWTAPE	I	Tape detection SW input. (A/D input)
27	I-STEREO	I	Monaural/stereo indication selector input. "L" at stereo.
28	I-RDCL	I	RDS clock input.
29	I-REM	I	Remote control input. (fall-down edge interrupt input)
30	I-HOLD	I	Hold mode detection. "L" at hold mode.
31	I-RDDT	I	RDS data input.
32	I-TPREC	I	Tape REC detection input. "H" at REC.
33	I-TPPLAY	I	Tape PLAY detection input. "H" at PLAY.
34	O-MOTOR	O	Mechanism deck motor ON/OFF output. "H" at ON. CMOS output.
35	O-PL	O	Mechanism deck plunger solenoid ON/OFF output. "H" at ON. CMOS output .
36-38	O-NC	O	Not used.
39-55	S9-S25	O	LCD SEG terminal Initial setting output. (S10 to S16)
56	VDD2	—	+5V.
57	VSS2	—	GND.
58-79	S26-S47	O	LCD SEG terminal .
80	I-CLKDSP	I	Watch indication select input "L": 12H. "H": 24H.
81	I-AS	I	Auto stop. counter input .

Pin No.	Pin Name	I/O	Description
82	I-STOP	I	Tape stop input.
83-86	COM0-COM3	O	LCD common output.
87	I-INIT	I	Initial setting input.
88	I-AC/DC	O	Beat selector output. "H" during selection. CMOS output .
89	VSS3	—	GND.
90	VDD3	—	5V.
91	O-NC	O	Not used.
92	O-TUCE	O	Tuner chip enable output. CMOS output .
93	O-CD-ON	O	"H" output during CD function. CMOS output.
94	O-TU-ON	O	"H" output during TU function. Open drain output.
95	O-RMT	O	REC mute output. "H" during mute. Open drain output.
96	O-REC/PB	O	REC/PB select output. "H" during PB. Open drain output.
97	O-MUTE	O	Mute output. "H" during mute. Open drain output.
98	O-PCONT	O	Power control output. "H" at ON. CMOS output.
99	O-BIAS	O	REC bias ON/OFF output. "H" at ON. Open drain output.
100	O-NC	O	Not used.

## IC, LA9241ML

Pin No.	Pin Name	I/O	Description
1	FIN2	I	Pin to which external pickup photo diode is connected. RF signal is created by adding with the FIN1 pin signal. FE signal is created by subtracting from the FIN1 pin signal.
2	FIN1	I	Pin to which external pickup photo diode is connected.
3	E	I	Pin to which external pickup photo diode is connected. TE signal is created by subtracting from the F pin signal.
4	F	I	Pin to which external pickup photo diode is connected.
5	TB	I	DC component of the TE signal is input.
6	TE-	I	Pin to which external resistor setting the TE signal gain is connected between the TE pin.
7	TE	O	TE signal output pin.
8	TESI	I	TES “Track Error Sense” comparator input pin. TE signal is passed through a band-pass filter then input.
9	SCI	I	Shock detection signal input pin.
10	TH	I	Tracking gain time constant setting pin.
11	TA	O	TA amplifier output pin.
12	TD-	I	Pin to which external tracking phase compensation constants are connected between the TD and VR pins.
13	TD	I	Tracking phase compensation setting pin.
14	JP	I	Tracking jump signal (kick pulse) amplitude setting pin.
15	TO	O	Tracking control signal output pin.
16	FD	O	Focusing control signal output pin.
17	FD-	I	Pin to which external focusing phase compensation constants are connected between the FD and FA pins.
18	FA	I	Pin to which external focusing phase compensation constants are connected between the FD- and FA- pins.
19	FA-	I	Pin to which external focusing phase compensation constants are connected between the FA and FE pins.
20	FE	O	FE signal output pin.
21	FE-	I	Pin to which external FE signal gain setting resistor is connected between the FE pin.
22	AGND	—	Analog signal GND.
23	SP	—	Single ended output of the CV+ and CV- pin input signal.
24	SPI	I	Spindle amp input.
25	SPG	I	Pin to which external spindle gain setting resistor in 12 cm mode is connected.
26	SP-	I	Pin to which external spindle phase compensation constants are connected together with SPD pin.
27	SPD	O	Spindle control signal output pin.
28	SLEQ	I	Pin to which external sled phase compensation constants are connected.
29	SLD	O	Sled control signal output pin.
30, 31	SL-, SL+	I	Sled advance signal input pin from microprocessor.
32, 33	JP-, JP+	I	Tracking jump signal input pin from DSP.
34	TGL	I	Tracking gain control signal input from DSP. Low gain when TGL = H.
35	TOFF	I	Tracking off control signal input pin from DSP. Off when TOFF = H.

Pin No.	Pin Name	I/O	Description
36	TES	O	Pin from which TES signal is output to DSP.
37	HFL	O	“High Frequency Level” is used to judge whether the main beam position is on top of bit or on top of mirror.
38	SLOF	I	Sled servo off control input pin.
39, 40	CV-, CV+	I	CLV error signal input pin from DSP.
41	RFSM	O	RF output pin.
42	RFS-	I	RF gain setting and EFM signal 3T compensation constant setting pin together with RFSM pin.
43	SLC	O	“Slice Level Control” is the output pin which controls the RF signal data slice level by DSP.
44	SLI	I	Input pin which control the data slice level by the DSP.
45	DGND	—	Digital system GND.
46	FSC	O	Output pin to which external focus search smoothing capacitor is connected.
47	TBC	I	“Tracking Balance Control” EF balance variable range setting pin.
48	NC	—	No connection.
49	DEF	O	Disc defect detector output pin.
50	CLK	I	Reference clock input pin. 4.23 MHz of the DSP is input.
51	CL	I	Microprocessor command clock input pin.
52	DAT	I	Microprocessor command data input pin.
53	CE	I	Microprocessor command chip enable input pin.
54	DRF	O	“Detect RF” RF level detector output.
55	FSS	I	“Focus Search Select” focus search mode ( $\pm$ search/+ search) select pin.
56	VCC2	—	Servo system and digital system Vcc pin.
57	REFI	—	Pin to which external bypass capacitor for reference voltage is connected.
58	VR	O	Reference voltage output pin.
59	LF2	I	Disc defect detector time constant setting pin.
60	PH1	I	Pin to which external capacitor for RF signal peak holding is connected.
61	BH1	I	Pin to which external capacitor for RF signal bottom holding is connected.
62	LDD	O	APC circuit output pin.
63	LDS	I	APC circuit input pin.
64	VCC1	—	RF system Vcc pin.

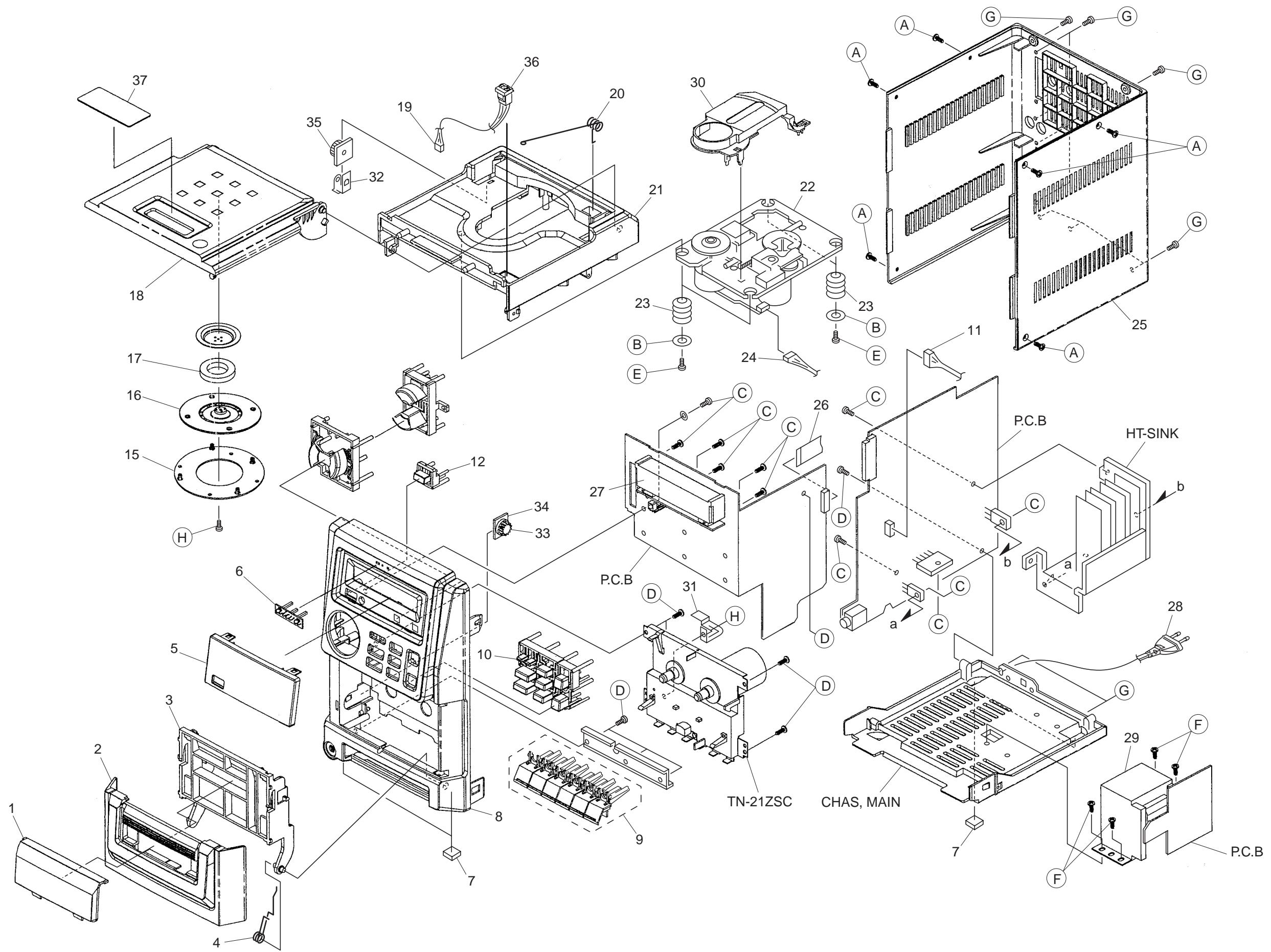
## IC, LC78622ED

Pin No.	Pin Name	I/O	Description	
1	DEFI	I	Defect sense signal (DEF) input pin. (Connect to 0V when not used).	
2	TAI	I	For PLL.	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
3	PDO	O		Phase comparator output pin to control external VCO.
4	VVSS	—		GND pin for built-in VCO. Be sure to connect to 0V.
5	ISET	I		Pin to which external resistor adjusting the PD0 output current.
6	VVDD	—		Power supply pin for built-in VCO.
7	FR	I		Pin for VCO frequency range adjustment.
8	VSS	—		Digital system GND. Be sure to connect to 0V.
9	EFMO	O	For slice level control.	EFM signal output pin.
10	EFMIN	I		EFM signal input pin.
11	TEST2	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
12, 13	CLV+, CLV-	O	Disc motor control output. Three level output is possible using command.	
14	V/P	O	Rough servo or phase control automatic selection monitoring output pin. Rough servo at H. Phase servo at L.	
15	HFL	I	Track detect signal input pin. Schmidt input.	
16	TES	I	Tracking error signal input pin. Schmidt input.	
17	TOFF	O	Tracking OFF output pin.	
18	TGL	O	Tracking gain selection output pin. Gain boost at L.	
19, 20	JP+, JP-	O	Track jump control signal output pin. Three level output is possible using command.	
21	PCK	O	EFM data playback clock monitoring pin 4.3218 MHz when phase is locked in.	
22	FSEQ	O	Sync signal detection output pin. H when the sync signal which is detected from EFM signal and the sync signal which is internally generated agree.	
23	VDD	—	Digital system power supply pin.	
24-28	SL+, SL-, CONT3-5	I/O	General purpose input/output pin 1 to 5.	The pin is controlled by the serial data command from microprocessor. When the pin is not used, set the pin to the input terminal and connect to 0V, or alternately set the pin to output terminal and leave the pin open.
29	EMPH	O	De-emphasis monitor output pin. De-emphasis disc is being played back at H.	
30	C2F	O	C2 flag output pin.	
31	DOUT	O	DIGITAL OUT output pin. (EIAJ format).	
32, 33	TEST3, TEST4	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
34	N.C.	—	Not used. Set the pin to open.	
35	MUTEL	O	L-channel 1-bit DAC.	L-channel mute output pin.
36	LVDD	—		L-channel power supply pin.
37	LCHO	O		L-channel output pin.
38	LVSS	—		L-channel GND. Be sure to connect to 0V.
39	RVSS	—	R-channel 1-bit DAC.	R-channel GND. Be sure to connect to 0V.
40	RCHO	O		R-channel output pin.
41	RVDD	—		R-channel power supply pin.
42	MUTER	O		R-channel mute output pin.

Pin No.	Pin Name	I/O	Description	
43	XVDD	—	Crystal oscillator power supply pin.	
44	XOUT	O	Pin to which external 16.9344 MHz crystal oscillator is connected.	
45	XIN	I		
46	XVSS	—	Crystal oscillator GND pin. Be sure to connect to 0V.	
47	SBSY	O	Subcode block sync signal output pin.	
48	EFLG	O	C1, C2, single and dual correction monitoring pin.	
49	PW	O	Subcode P, Q, R, S, T, U and W output pin.	
50	SFSY	O	Subcode frame sync signal output pin. Falls down when subcode enters standby.	
51	SBCK	I	Subcode read clock input pin. Schmidt input. (Be sure to connected to 0V when not in use.)	
52	FSX	O	Pin outputting the 7.35 kHz sync signal which is generated by dividing frequency of crystal oscillator.	
53	WRQ	O	Subcode Q output standby output pin.	
54	RWC	I	Read/write control input pin. Schmidt input.	
55	SQOUT	O	Subcode Q output pin.	
56	COIN	I	Command input pin from microprocessor.	
57	CQCK	I	Command input read clock or subcode read input clock from SQOUT pin	
58	RES	I	LC78622 reset input pin. Set this pin to L once when the main power is turned on.	
59	TST11	O	Test signal output pin. Use this pin as open (normally L output).	
60	16M	O	16.9344 MHz output pin.	
61	4.2M	O	4.2336 MHz output pin.	
62	TEST5	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
63	CS	I	Chip select signal input pin with built-in pull-down resistor. Be sure to connect to 0V while it is not controlling.	
64	TEST1	I	Test signal input pin without built-in pull-down resistor. Be sure to connect to 0V.	

Note: The same potential must be applied to the respective power supply terminals. (VDD, VVDD, LVDD, RVDD, XVDD)

MECHANICAL EXPLODED VIEW 1/1



## MECHANICAL PARTS LIST 1/1

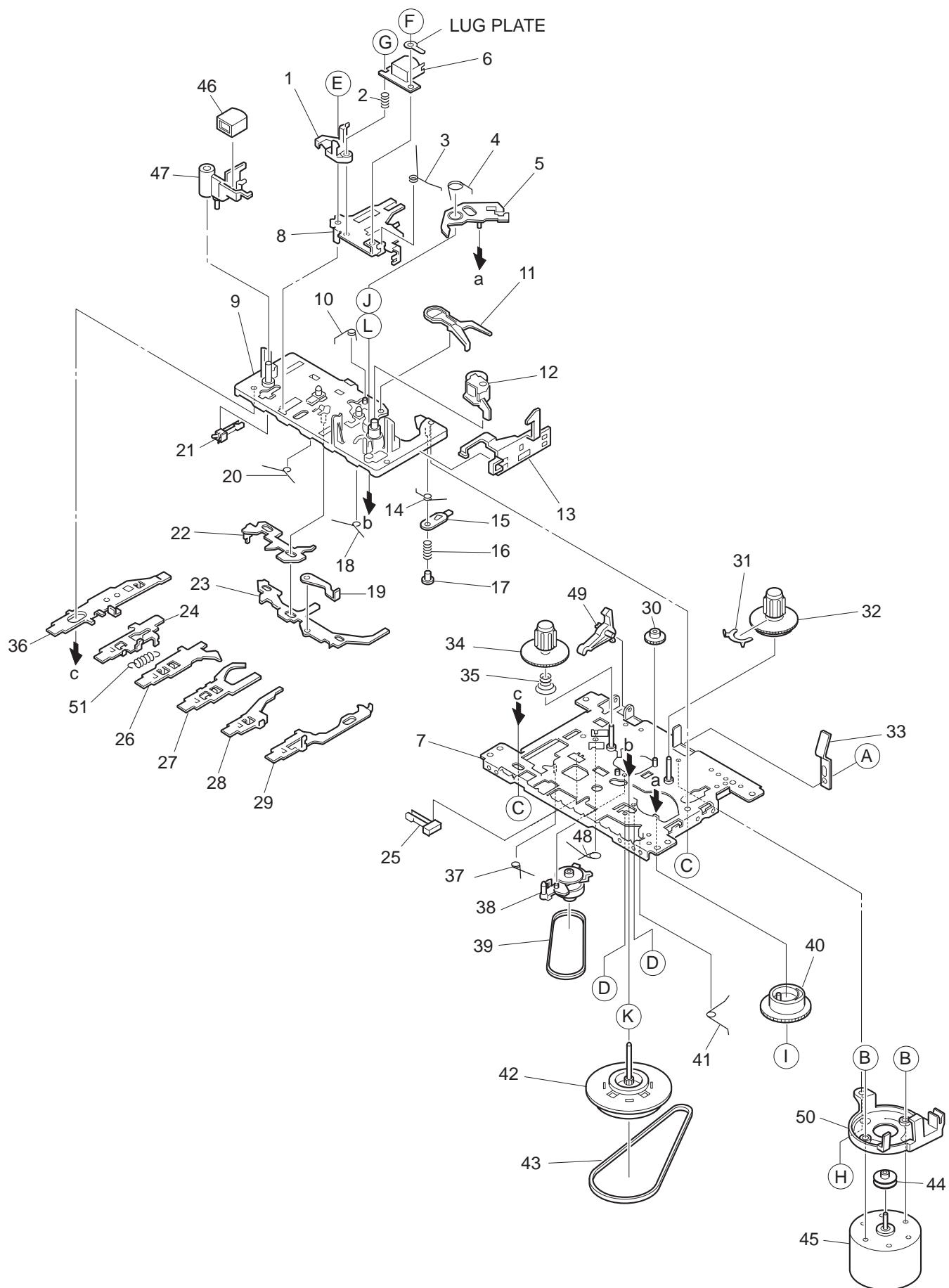
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
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REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-CLB-007-010		WINDOW,CASS	28	87-A80-105-010		AC CORD ASSY,AZ<HA>
2	8A-CLB-005-010		LID,CASS	28	87-A80-092-010		AC CORD ASSY,E BLK SUN FAI <HRJ,VJS,HTS>
3	8A-CLB-006-010		BOX,CASS				
4	8Z-CL8-209-010		SPR-T,CASS	28	87-A80-083-010		AC CORD,HC BLK<HC1>
5	8A-CLB-004-010		WINDOW,DISP	29	8A-CLL-621-010		PT,EZ ACL-L<VJS,HSS>
6	87-B00-002-010		BADGE,AIWA 30 ABS SIL	29	8A-CLL-620-010		PT,H ACL-L<HRJ,HA,HTS,HC1>
7	8Z-CL8-204-010		CUSH,FOOT	30	8Z-CDB-169-010		PANEL,CD SANYO
8	8A-CLM-002-010		CABI,FRONT EX	31	8Z-CL8-206-010		SPR-P,REC
9	8A-CLB-008-010		KEY,CASS SET	32	8Z-CL8-214-010		DMPR,HLDR BE
10	8A-CLB-009-010		KEY,CONT	33	84-CD5-215-010		GEAR
				34	84-CD5-216-010		BRACKET
11	8Z-CL8-686-110		CONN ASSY,8P RPH				
12	8A-CLB-012-010		KEY,POWER	35	86-NFZ-231-010		DMPR,70
13	8A-CLB-010-010		KEY,SKIP	36	87-064-108-110		HLDR,NC LUTCH
14	8A-CLB-011-010		KEY,P/S	37	8A-CLB-027-010		WINDOW,CD
15	8Z-CDB-170-010		BASE,CHUCK	A	87-B10-239-010		QT2+3-8 W/O CR
				B	8Z-CL8-220-010		W,30-0856-01-01-01
16	88-CD9-211-210		RING,CHUCK				
17	87-036-368-010		MAGNET	C	87-067-579-010		TAPPING SCREW, BVT2+3-8
18	8A-CLB-002-010		LID,CD	D	87-067-703-010		TAPPING SCREW, BVT2+3-10
19	8Z-CL8-683-010		CONN ASSY,2P CD DOOR	E	87-342-074-010		UT2+2.6-8
20	8Z-CL8-205-010		SPR-T,CD	F	87-761-097-410		VFT2+3-12 SLOT
				G	87-B10-230-010		BVT2+3-10 W/O SLOT SILVER CR
21	8A-CLB-003-010		CHAS,CD				
22	M8-ZZK-E90-070		DA11T3C	H	87-571-033-410		TAPPING SCREW, VIT+2-4
23	88-CT6-206-010		CUSHION,CD				
24	8Z-CL8-681-010		CONN ASSY,6P CD MOTOR				
25	8A-CLB-020-010		CABI,REAR<VJS>				
25	8A-CLB-028-010		CABI,REAR EZ<HSS>				
25	8A-CLB-037-010		CABI,REAR H<HRJ,HA,HTS,HC1>				
26	8Z-CL8-682-010		FF-CABLE, 16P 1.0 180MM				
27	8Z-CL8-201-010		GUIDE,LCD				
28	87-A80-006-010		AC CORD ASSY HS<HSS>				

### COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

# TAPE MECHANISM EXPLODED VIEW 1/1

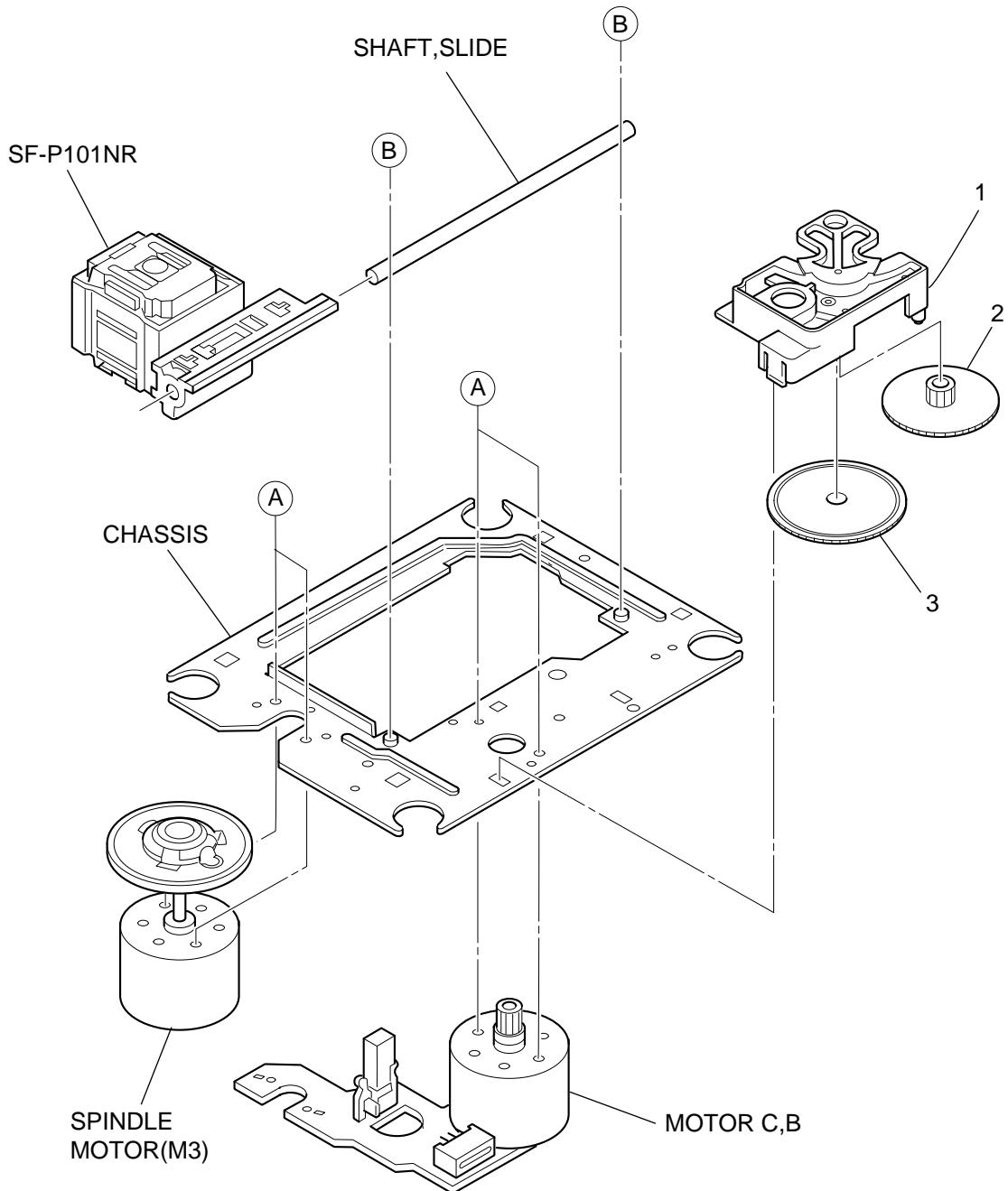


## TAPE MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S1-921-030-4A0		HEAD BASE	36	S1-921-140-220		REC BUTTON LEVER
2	S1-821-030-070		AZIMUTH SPRING	37	S1-921-140-170		P.S.LEVER SPRING
3	S1-921-030-090		PANEL P SPRING	38	S1-921-073-040		RF CLUTCH ASSY
4	S1-921-260-050		GEAR PLATE SPRING	39	S1-921-070-030		RF BELT
5	S1-921-265-020		GEAR PLATE ASSY	40	S1-921-260-020		CAM GEAR
6	S6-201-011-110		HEAD,RP7442ES-0951	41	S1-921-140-160		E ACTUATOR SPRING
7	S1-921-015-010		CHASSIS ASSY	42	S1-921-093-210		FLYWHEEL ASSY
8	S1-921-030-110		HEAD PANEL	43	S1-921-090-380		MAIN BELT
9	S1-921-143-160		BASE ASSY	44	S1-921-120-590		MOTOR PULLEY
10	S1-921-141-8A0		M CONTROL SPRING	45	S6-002-030-220		MOTOR EG530AD-2B
11	S1-921-260-4A0		SENSING LEVER	46	S6-209-100-100		E HEAD PH-K380-MS1
12	S1-921-043-100		PINCH ROLLER ARM ASSY	47	S1-921-030-050		MG ARM
13	S1-921-130-020		EJECT SLIDE LEVER	48	S1-921-140-210		REC BUTTON LEVER SPRING
14	S1-921-141-3A0		P CONTROL SPRING	49	S1-821-100-690		RECORD SAFETY LEVER
15	S1-921-140-550		PAUSE LEVER(E)	50	S1-821-128-9A0		MOTOR BRACKET
16	S1-921-140-120		PAUSE LEVER SPRING	51	S1-821-010-500		PLAY BUTTON LEVER SPRING
17	S1-921-140-110		PAUSE STOPPER	A	S9-P04-200-310		C TAPPING SCREW 2-3
18	S1-921-140-150		BUTTON LEVER SPRING(B)	B	S1-921-120-020		MOTOR COLLER SCREW
19	S1-821-011-590		E KICK LEVER	C	S9-B10-200-510		P TAPPING BIND SCREW M2-5
20	S1-921-141-070		BUTTON LEVER SPRING(A)	D	S9-C07-204-510		SCREW,TAPPING(CAMERA)M2-4.5
21	S6-401-011-490		LEAF SW MSW-1541T	E	S9-P01-200-610		SCREW,M2-6
22	S1-921-140-090		SWITCH ACTUATOR	F	S9-B01-200-310		(+)BIND SCREW M2-3
23	S1-921-140-080		PUSH BUTTON ACTUATOR	G	S9-F08-200-710		AZIMUTH SCREW M2-7
24	S1-921-140-230		PLAY BUTTON LEVER	H	S1-921-120-030		MB SCREW
25	S6-401-011-610		LEAF SW MSW-17820MVEI	I	S9-W02-300-100		P WASHER CUT 1.2-3.8-0.3
26	S1-921-140-240		REW BUTTON LEVER	J	S9-W02-500-100		P WASHER CUT 1.45-3.8-0.5
27	S1-921-140-250		FF BUTTON LEVER	K	S9-W01-400-100		P WASHER 2-3.5-0.4
28	S1-921-140-260		STOP BUTTON LEVER	L	S9-W01-130-200		P WASHER 2.1-4-0.13
29	S1-921-140-610		PAUSE BUTTON LEVER				
30	S1-821-100-700		FF GEAR				
31	S1-921-050-060		SENER				
32	S1-921-053-100		TAKE UP REEL ASSY				
33	S1-829-100-010		PACK SPRING				
34	S1-921-050-150		S REEL HUB				
35	S1-921-050-220		BACK TENSION SPRING				

# CD MECHANISM EXPLODED VIEW 1/1



# CD MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S2-121-A28-400		COVER GEAR
2	S2-511-A21-000		GEAR MIDDLE
3	S2-511-A21-100		GEAR,DRIVE
A	S1-PN2-03R-0SE		SCR PAN PCS 2-3
B	87-261-073-410		SCR S-TPG FLT 2.6-6
ALL	M8-ZZK-E90-070		DA11T3C

## SPEAKER PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
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REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-CLL-600-010		SPKR, 40HM 5W ACL-L
2	8A-CLB-014-010		CABI,FR SPKR
3	8A-CLB-016-010		FRAME,SPKR
4	8Z-CL7-107-010		BADGE,AIWA SILVER
5	8A-CLL-601-010		CORDASSY,SPKR-BLK ACL-L/M

## ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。  
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REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-CLM-911-010		IB,H(EC-K)B<HC1>
1	8A-CLM-901-010		IB,H(ECA)B<HRJ,HTS>
1	8A-CLM-902-010		IB,LH(ESP)B<HA>
1	8A-CLM-907-010		IB,V(ER)B<VJS>
2	8A-CLB-961-010		RC UNIT,RC-AAT11
3	87-A90-030-010		ANT,LOOP AM-NC C
4	87-043-115-010		ANT,FEEDER FM<EXCEPT HSS>
5	87-A90-118-010		ANT, WIRE FM (Z)<HSS>
6	87-A91-017-010		PLUG,CONVERSION JT-0476 <HRJ,HA,HTS,HC1>



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